

SERVICE MANUAL

17" LCD Monitor

IBM L170



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Table of Contents

| | |
|--|----|
| Table of Contents | 2 |
| 1. MONITOR SPECIFICATIONS | 4 |
| 2. LCD MONITOR DESCRIPTION | 5 |
| 3. OPERATING INSTRUCTIONS | 6 |
| 3.1 GENERAL INSTRUCTIONS | 6 |
| 3.2 CONTROL BUTTONS | 6 |
| 3.3 ADJUSTING THE PICTURE | 6 |
| 4. Input/Output Specification | 8 |
| 4.1 Input Signal Connector | 8 |
| 4.1.1 Analog D-SUB Connector | 8 |
| 4.2 Factory Preset Display Modes | 8 |
| 4.3 Power Supply Requirements | 10 |
| 4.3.1 Input Requirements | 10 |
| 4.3.2 Output Requirements | 10 |
| 4.4 PANEL SPECIFICATION (Samsung) | 11 |
| 4.4.1 Panel Feature | 11 |
| 4.4.2 Display Characteristics | 11 |
| 4.4.3 Optical Characteristics | 11 |
| 4.4.4 Parameter guide line for CCFL Inverter | 12 |
| 5. Block Diagram | 13 |
| 5.1 Monitor Exploded View | 13 |
| 5.2 Software Flow Chart | 14 |
| 5.3 Electrical Block Diagram | 16 |
| 5.3.1 Main Board | 16 |
| 5.3.2 Inverter/Power Board | 17 |
| 6. Schematic | 19 |

| | |
|---|-----------|
| 6.1 Main Board | 19 |
| 6.2 Inverter/Power Board | 22 |
| 6.3 KeyPad Board | 24 |
| 7. PCB Layout | 25 |
| 7.1 Main Board | 25 |
| 7.2 Inverter/Power Board | 27 |
| 7.3 Keypad Board | 28 |
| 8. Maintainability | 28 |
| 8.1 Equirements and Tools Requirements | 28 |
| 8.2 Trouble Shooting | 29 |
| 8.2.1 Main Board | 29 |
| 8.2.2 Power/Inverter Board | 32 |
| 8.2.3 Key Pad Board | 34 |
| 9. White-Balance, Luminance adjustment | 35 |
| 10. EDIT Content | 36 |
| 11. BOM List | 37 |

1. MONITOR SPECIFICATIONS

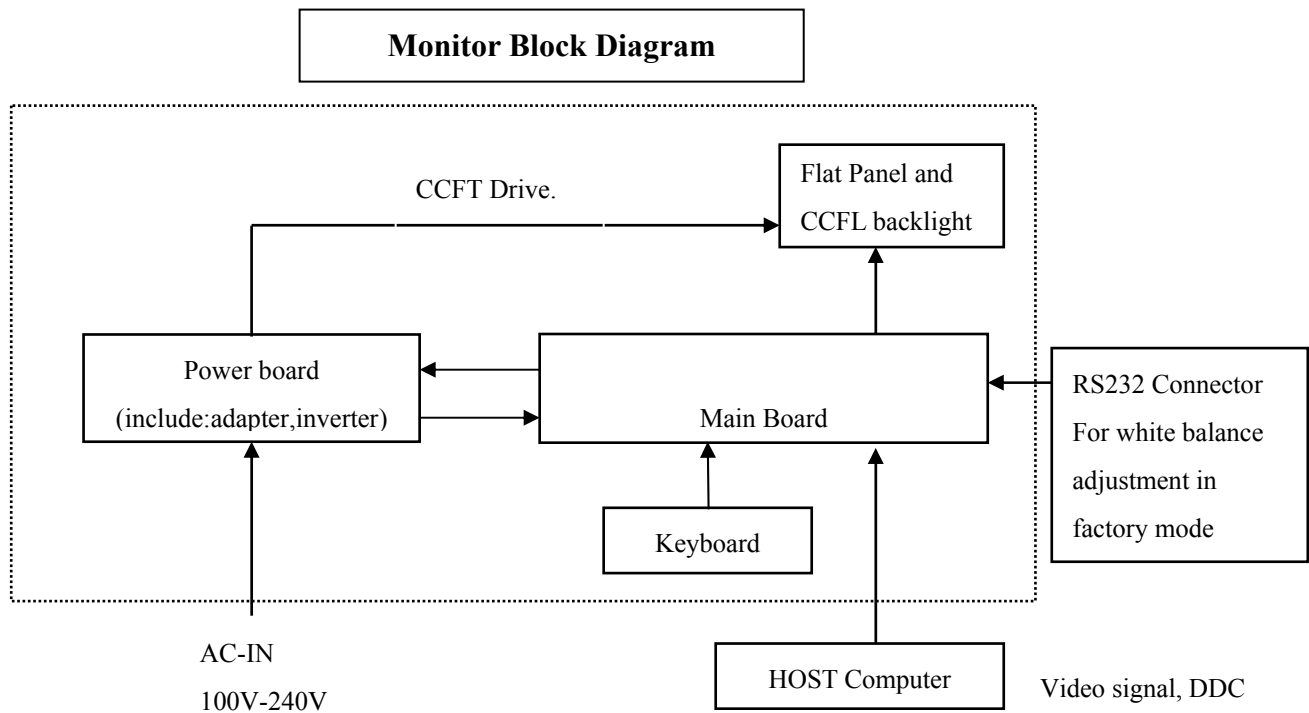
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|-------------------------------------|-----------------------------|---|
| LCD Panel | Driving system | TFT Color LCD |
| | Size | 43.2cm(17.0") |
| | Pixel pitch | 0.264mm(H)x 0.264mm(V) |
| | Viewable angle | 140° (H) 120° (V) |
| | Response time (typ.) | 25 ms |
| Input | Video | Analog |
| | Sync. Type | H/V TTL |
| | H-Frequency | 30kHz – 80kHz |
| | V-Frequency | 55-75Hz |
| Display Colors | | Over 16 million Colors |
| Dot Clock | | 135MHz |
| Max. Resolution | | 1280 x 1024 |
| Plug & Play | | VESA DDC2B™ |
| Power Consumption | ON Mode | ≤45W |
| | OFF Mode | ≤3W |
| Maximum Screen Size | | Horizontal : 13.3”(337.92mm) Vertical : 10.6”(270.336mm) |
| Power Source | | 100~240VAC,47~63Hz |
| Environmental Considerations | | Operating Temp: 0°C to 40°C Storage Temp.: -20°C to 60°C Operating Humidity : 15% to 90% |
| Weight (N. W.) | Packaged | 7.4Kgs Unit |
| | Unpackaged | 6.6Kgs Unit |

2. LCD MONITOR DESCRIPTION

The LCD MONITOR will contain an main board, an inverter/power board, keypad board and internal adapter which house the flat panel control logic, brightness control logic and DDC.

The Inverter board will drive the backlight of panel and the DC-DC conversion.

The Adapter will provides the 12V DC-power to inverter/power board.



3. OPERATING INSTRUCTIONS

3.1 GENERAL INSTRUCTIONS

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 CONTROL BUTTONS

- Power Button:

When pressed, the monitor enters the off mode, and the LED turns blank. Press again to restore normal status.

- Left / Right Button:

The Left/Right Button is used to control the monitor functions. Press to switch functions or adjust settings.

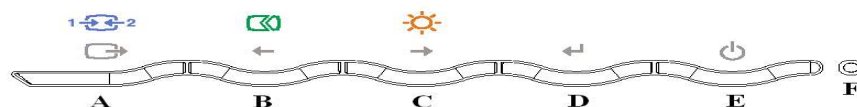
- Auto Adjust Key:

The Auto Adjust Key is used to automatically set the H Position, V Position, Clock and Phase.

- Power Indicator:

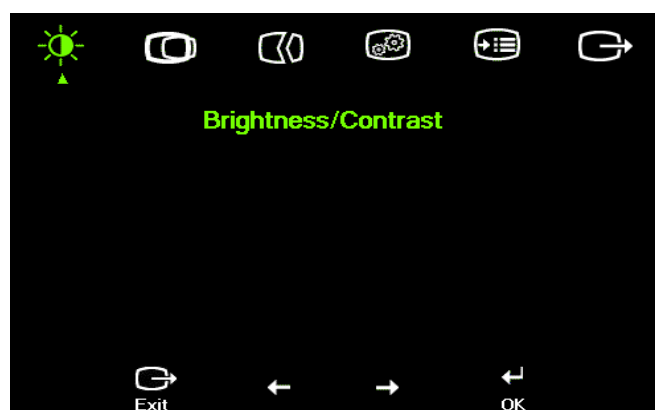
Green — Power On mode.
orange — Power Saving mode.
Blank —Power Off Mode.












CONTROL Buttons



- A. Auto button/Exit
- B. Left button/Brightness
- C. Right button/Contrast
- D. Menu button
- E. Power button
- F. Indicator light

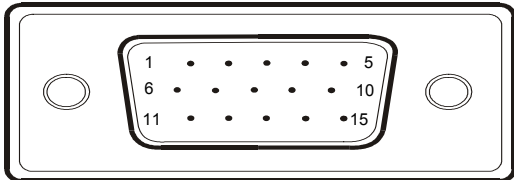
3.3 ADJUSTING THE PICTURE



| | | | |
|-----|---|---------------------|--|
| 1. |  | Contrast | Adjusts over all screen brightness. |
| 2. |  | Brightness | Adjusts difference between light and dark areas. |
| 3. |  | Horizontal Position | Moves image left or right. |
| 4. |  | Vertical Position | Moves image up or down. |
| 5. |  | Automatic | Optimizes image(size,position,phase,and clock). |
| 6. | Clock | Clock | Adjusts picture Clock. |
| 7. | Phase | Phase | Adjusts picture Phase. |
| 8. |  | Color | Adjusts intensity or red,green and blue. |
| 9. |  | Information | Shows resolution, refresh rate, and product details. |
| 10. |  | Menu Language | Changes language of menu. |
| 11. |  | Menu Position | Adjusts menu location. |
| 12. |  | Factory Default | Resets monitor to original settings. |
| 13. |  | Accessibility | Change button repeat rate menu time-out settings. |
| 14. | Exit | Exit | Save user adjustment and OSD disappear. |
| 15. | | | |
| 16. | | | |

4. Input/Output Specification

4.1 Input Signal Connector

| PIN NO. | DESCRIPTION | PIN NO. | DESCRIPTION |
|--|-------------|---------|------------------|
| 1. | Red | 9. | +5V |
| 2. | Green | 10. | Detect Cable |
| 3. | Blue | 11. | NC |
| 4. | Ground | 12. | DDC-Serial Data |
| 5. | Ground | 13. | H-Sync |
| 6. | R-Ground | 14. | V-Sync |
| 7. | G-Ground | 15. | DDC-Serial Clock |
| 8. | B-Ground | | |
| VGA connector layout | | | |
|  | | | |

4.2 Factory Preset Display Modes

| VESA MODES | | | | | | | |
|------------|---------------|------------|---------------------------------|---------------|---------------------------|---------------|---------------------------|
| Mode | Resolution | Total | Horizontal | | Vertical | | Nominal Pixel Clock (MHz) |
| | | | Nominal Frequency +/- 0.5kHz | Sync Polarity | Nominal Freq. +/- 1 Hz | Sync Polarity | |
| VGA | 640x480@60Hz | 800 x 525 | 31.469 | N | 59.940 | N | 25.175 |
| | 640x480@72Hz | 832 x 520 | 37.861 | N | 72.809 | N | 31.500 |
| | 640x480@75Hz | 840 x 500 | 37.500 | N | 75.00 | N | 31.500 |
| SVGA | 800x600@56Hz | 1024 x 625 | 35.156 | N/P | 56.250 | N/P | 36.000 |
| | 800x600@60Hz | 1056 x 628 | 37.879 | P | 60.317 | P | 40.000 |
| | 800x600@72Hz | 1040 x 666 | 48.077 | P | 72.188 | P | 50.000 |
| | 800x600@75Hz | 1056x625 | 46.875 | P | 75.000 | P | 49.500 |
| XGA | 1024x768@60Hz | 1344x806 | 48.363 | N | 60.004 | N | 65.000 |
| | 1024x768@60Hz | 1312x813 | 48.78 | N | 60.00 | N | 64.000 |
| | 1024x768@70Hz | 1328x806 | 56.476 | N | 70.069 | N | 75.000 |
| | 1024x768@72Hz | 1304x798 | 57.515 | P | 72.074 | P | 75.000 |
| | 1024x768@75Hz | 1328x804 | 60.200 | N | 74.90 | N | 80.000 |
| | 1024x768@75Hz | 1312x800 | 60.023 | P | 75.029 | P | 78.750 |

| | | | | | | | |
|------|----------------|-----------|--------|---|--------|---|---------|
| XGA | 1152x864@75Hz | 1600x900 | 67.50 | P | 75.000 | P | 108.000 |
| SXGA | 1280x1024@60Hz | 1688x1066 | 63.981 | P | 60.020 | P | 108.000 |
| | 1280x1024@75Hz | 1688x1066 | 79.976 | P | 75.025 | P | 135.000 |

| IBM MODES | | | | | | | |
|-----------|--------------|-----------|------------------------------------|------------------|------------------------------|------------------|------------------------------------|
| | | | Horizontal | | Vertical | | |
| Mode | Resolution | Total | Nominal Frequency +/- 0.5kHz | Sync Polarity | Nominal Freq. +/- 1 Hz | Sync Polarity | Nominal Pixel Clock (MHz) |
| DOS* | 720x400@70Hz | 900 x 449 | 31.469 | N | 70.087 | P | 28.322 |
| DOS** | 640x400@70Hz | 800 x 449 | 31.469 | N | 70.087 | P | 25.175 |
| MAC MODES | | | | | | | |
| VGA | 640x480@67Hz | 864x525 | 35.000 | N | 66.667 | N | 30.240 |
| SVGA | 832x624@75Hz | 1152x667 | 49.725 | N | 74.551 | N | 57.2832 |

4.3 Power Supply Requirements

4.3.1 Input Requirements

| PARAMETER | RANGE | CONDITION |
|--------------------|---|---|
| Input Voltage | 100 to 240VAC RMS | Universal input full range |
| Input Frequency | 60Hz @ 100VAC to 50Hz @ 240VAC | |
| Input Current | Less than 2.0 Amps RMS | Input voltage 100 VAC RMS ; 60 Hertz. Parameter must be reached within 3 seconds of turn-on. |
| | Less than 1.0 Amps RMS | Input voltage 220 VAC RMS ; 50 Hertz. Parameter must be reached within 3 seconds of turn-on. |
| Input Power | Less than 75 Watts | |
| Power factor > 0.5 | Input voltage 120 VAC RMS ; 60 Hertz | |
| Inrush Current | Less than 30 A peak | Input voltage 100 VAC RMS ; 60 Hertz at all Phase(0, 90, 180, 270 degree) |
| | Less than 50 A peak | Input voltage 240 VAC RMS ; 50 Hertz at all Phase(0, 90, 180, 270 degree) |
| Input Fusing | Fuse should be located internal to the adapter, easily accessible when the cover is removed | Fuse must be UL/CSA approved. Fuse value must not have to change for 115 VAC or 230 VAC operation |
| Leakage Current | Less than 3.5 mA | Input voltage 240 Volts RMS ; 50 Hertz |
| Hi-Pot | Primary to secondary | 1.5KVAC for 1 Minute(leakage current 10mA) 1.8KVAC for 1 Minute(leakage current 10mA) 3.0KVAC for 1 Minute(leakage current 10mA) without Y-cap & Coupling cap. |
| | Primary to Saft Ground | 1.5KVAC for 1 Minute(leakage current 10mA) 1.8KVAC for 1 Minute(leakage current 10mA) |

4.3.2 Output Requirements

| PARAMETER | RANGE | CONDITION |
|---------------------------|--|---|
| DC Out | 12VDC \pm 5% | Min 0A Max 3.75A |
| Load Regulation | 12.0V(12.12V) \pm 5% | 11.4 to 12.6VDC |
| Dynamic Load Regulation | Any frequency up to 250Hz(duty 50%) | \pm 5% for 10% to 100%, 100% to 10% load change for +12Vdc |
| Ripple & noise | 170mVpp at 12VDC | Input voltage : 100VAC at 60Hz 240VAC at 50Hz * Ripple and noise are measured. |
| Output current protection | less than 7.0A, more than 12.0A at 12.0VDC | Current exceeds maximum rateing more than 20% |
| Leakage Current | Less than 0.25 mA | Input voltage 100 Volts RMS ; 50 Hertz |
| | Less than 0.5 mA | Input voltage 240 Volts RMS ; 50 Hertz |

4.4 PANEL SPECIFICATION (Samsung)

4.4.1 Panel Feature

- High contrast ratio, high aperture structure
- TN(Twisted Nematic) mode
- Wide viewing angle
- High speed response
- SXGA(1280 x 1024 pixels) resolution
- Low power consumption
- 2 dual CCFTs(Cold Cathode Fluorescent Tube)
- DE(Data Enable) mode
- COMPACT SIZE DESIGN

4.4.2 Display Characteristics

| Items | Specification | Unit |
|-------------------|------------------------|--------|
| Display Area | 337.92(H) x 270.336(V) | mm |
| Driver element | a-Si TFT active matrix | |
| Display color | 16.2M | Colors |
| Number of pixels | 1280 x 1024 | pixel |
| Pixel Arrangement | RGB vertical stripe | |
| Pixel pitch | 0.264(H) x 0.264(W) | mm |
| Display Mode | Normally White | |

4.4.3 Optical Characteristics

The optical characteristics are measured under stable conditions at 25°C (Room Temperature):

| Item | | Symbol | Conditions | Min. | Typ. | Max. | Unit | Note |
|--|---------|--------|--|---------------|-------|---------------|-------|------|
| Contrast Ratio (Center of screen) | | C/R | Normal $\phi = 0$ $\theta = 0$ Viewing Angle | 250 | 350 | - | | |
| Response Time | Rising | Tr | | - | 5 | 7 | msec | |
| | Falling | Tf | | - | 20 | 25 | | |
| Luminance of White (Center of screen) | | YL | | 200 | 250 | - | Cd/m2 | |
| Color Chromaticity (CIE 1931) Coordinates (CIE) | | Rx | | Typ. -0.03 | 0.633 | TYP. +0.03 | | |
| | | Ry | | | 0.354 | | | |
| | | Gx | | | 0.292 | | | |
| | | Gy | | | 0.598 | | | |
| | | Bx | | | 0.145 | | | |
| | | By | | | 0.107 | | | |
| | | Wx | | | 0.305 | | | |
| | | Wy | | | 0.338 | | | |
| Brightness Uniformity | | [%] | | 75 | 80 | - | | |

4.4.4 Parameter guide line for CCFL Inverter

INVERTER MAX BRINGTHNESS (Vadj:5.0v), LOAD=120K Ω X4 (ROOM TEMPERATURE 25°C \pm 4°C)

| ITEM | SYMBOL | MIN. | TYP. | MAX. | UNIT | REMARK |
|--------------------|-------------------|------|------|------|------------------|------------------|
| Input voltage | V _{in} | 10.8 | 12 | 13.2 | V | |
| Input current | I _{in} | | 2250 | 2500 | mA | FOR 4 LOAD |
| Output Current | I _{out} | 6.0 | 6.5 | 7.0 | mA | FOR 1 LOAD |
| Frequency | F | 50.0 | 55.0 | 60.0 | KHZ | FOR 1 LOAD |
| H.V open | V _{open} | 1450 | 1600 | 1750 | V _{rms} | NO LOAD |
| H.V Load | V _{load} | 710 | 810 | 910 | V _{rms} | RL=120K Ω |
| Start voltage | V _{st} | 1650 | 1750 | 1850 | V _{rms} | RL=CCFL |
| Protect delay time | PDT | 0.4 | 1 | 4 | Sec | |

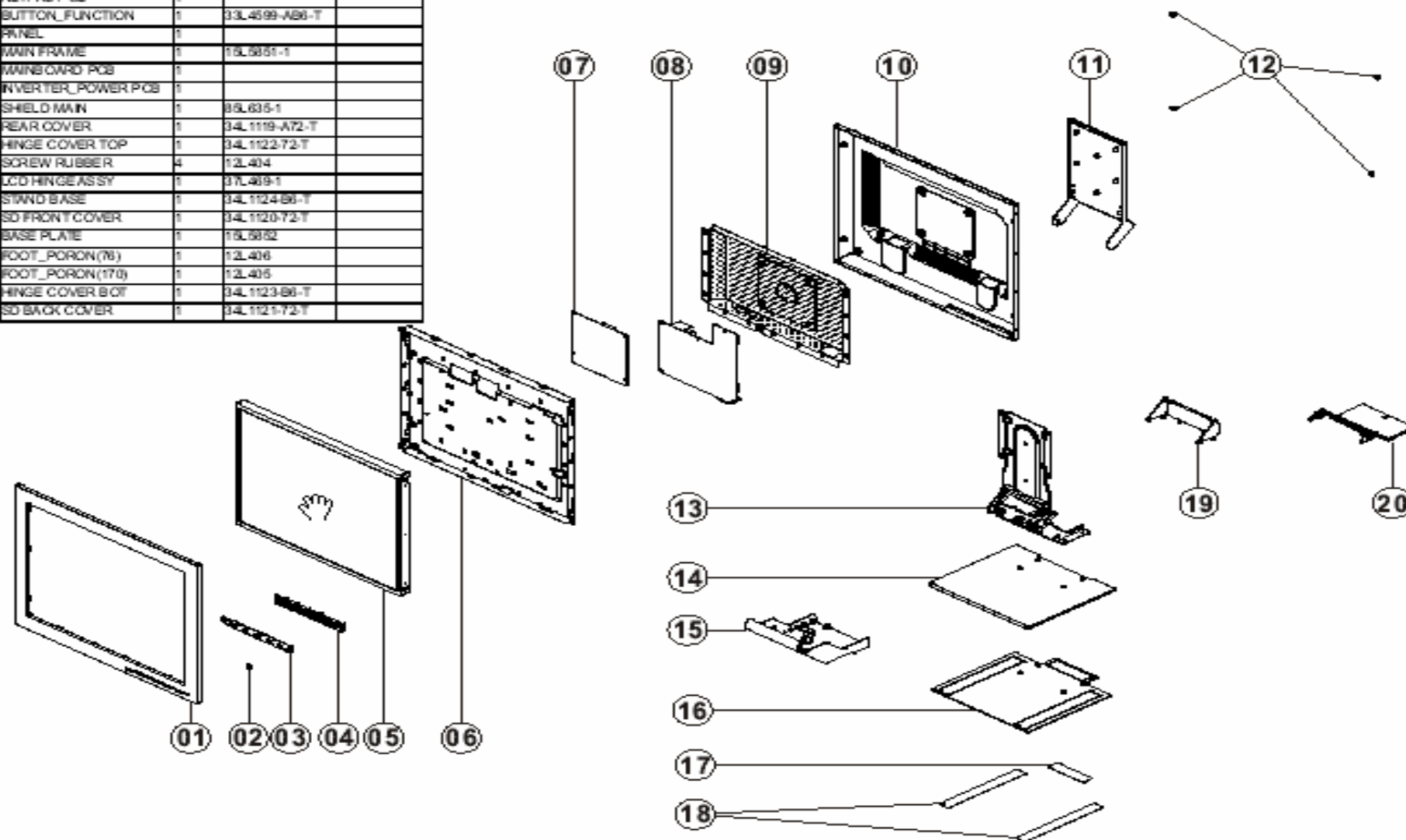
INVERTER MIN BRINGTHNESS (Vadj:0.0v), LOAD=120K Ω X4 (ROOM TEMPERATURE 25°C \pm 4°C)

| ITEM | SYMBOL | MIN. | TYP. | MAX. | UNIT | REMARK |
|----------------|-------------------|------|------|------|------------------|------------------|
| input voltage | V _{in} | 10.8 | 12 | 13.2 | V | |
| input current | I _{in} | | 660 | 750 | mA | FOR 4 LOAD |
| Output Current | I _{out} | 3.0 | 3.5 | 4.0 | mA | FOR 1 LOAD |
| Frequency | F | 50.0 | 55.0 | 60.0 | KHZ | FOR 1 LOAD |
| H.V open | V _{open} | 1450 | 1600 | 1750 | V _{rms} | NO LOAD |
| Start voltage | V _{st} | 1650 | 1750 | 1850 | V _{rms} | RL=CCFL |
| H.V Load | V _{load} | 350 | 450 | 550 | V _{rms} | RL=120K Ω |

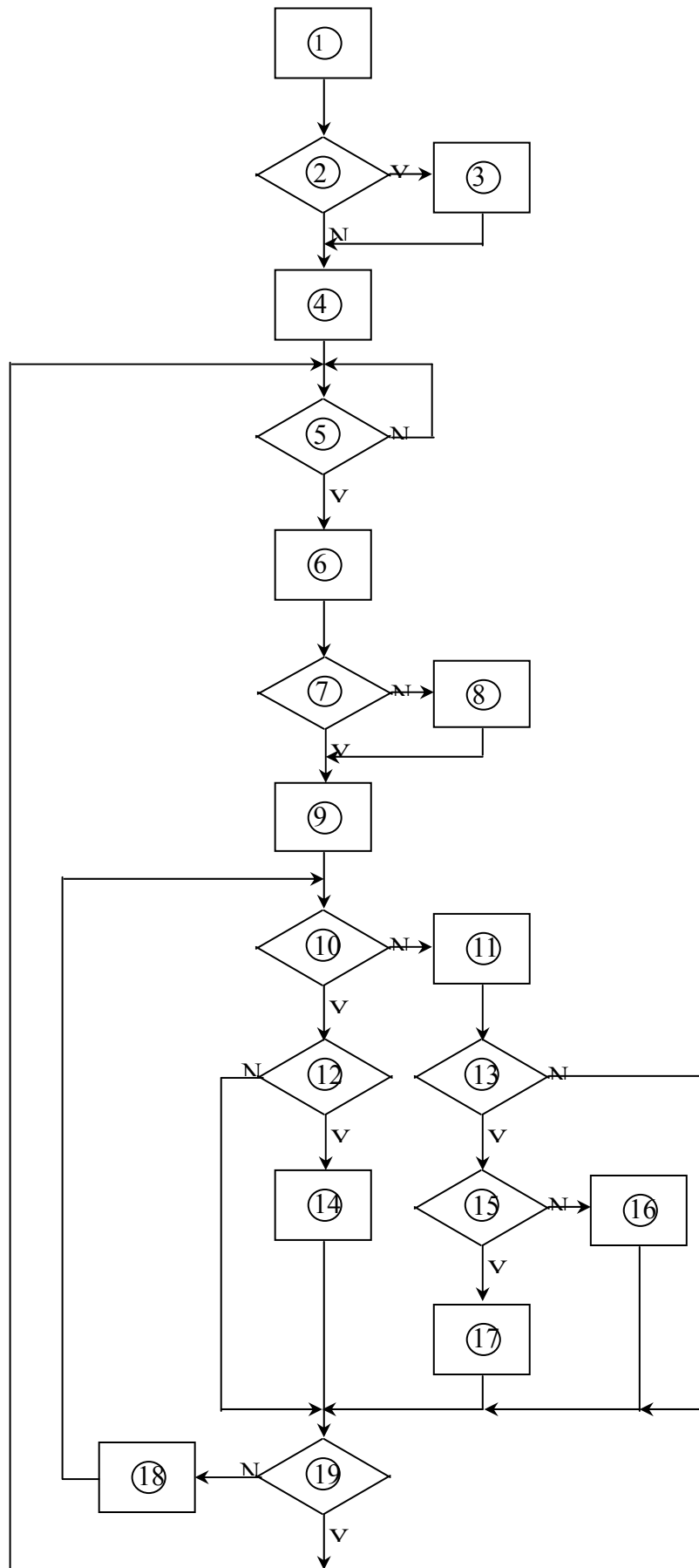
5. Block Diagram

5.1 Monitor Exploded View

| Item | Part Name | Qty. | Part No. | Remark |
|------|--------------------|------|---------------|--------|
| 01 | Bezel | 1 | 34L1119-A72-T | |
| 02 | POWER LENS | 1 | 33L4600-1 | |
| 03 | KEYPAD PCB | 1 | | |
| 04 | BUTTON_FUNCTION | 1 | 33L4599-AB6-T | |
| 05 | PANEL | 1 | | |
| 06 | MAIN FRAME | 1 | 15L5851-1 | |
| 07 | MAINBOARD PCB | 1 | | |
| 08 | INVERTER_POWER PCB | 1 | | |
| 09 | SHIELD MAIN | 1 | 85L635-1 | |
| 10 | REAR COVER | 1 | 34L1119-A72-T | |
| 11 | HINGE COVER TOP | 1 | 34L1123-72-T | |
| 12 | SCREW RUBBER | 4 | 12L404 | |
| 13 | LCD HINGE ASSY | 1 | 37L409-1 | |
| 14 | STAND BASE | 1 | 34L1124-B6-T | |
| 15 | SD FRONT COVER | 1 | 34L1120-72-T | |
| 16 | BASE PLATE | 1 | 15L5852 | |
| 17 | FOOT_PORON(76) | 1 | 12L406 | |
| 18 | FOOT_PORON(170) | 1 | 12L405 | |
| 19 | HINGE COVER BOT | 1 | 34L1123-B6-T | |
| 20 | SD BACK COVER | 1 | 34L1121-72-T | |



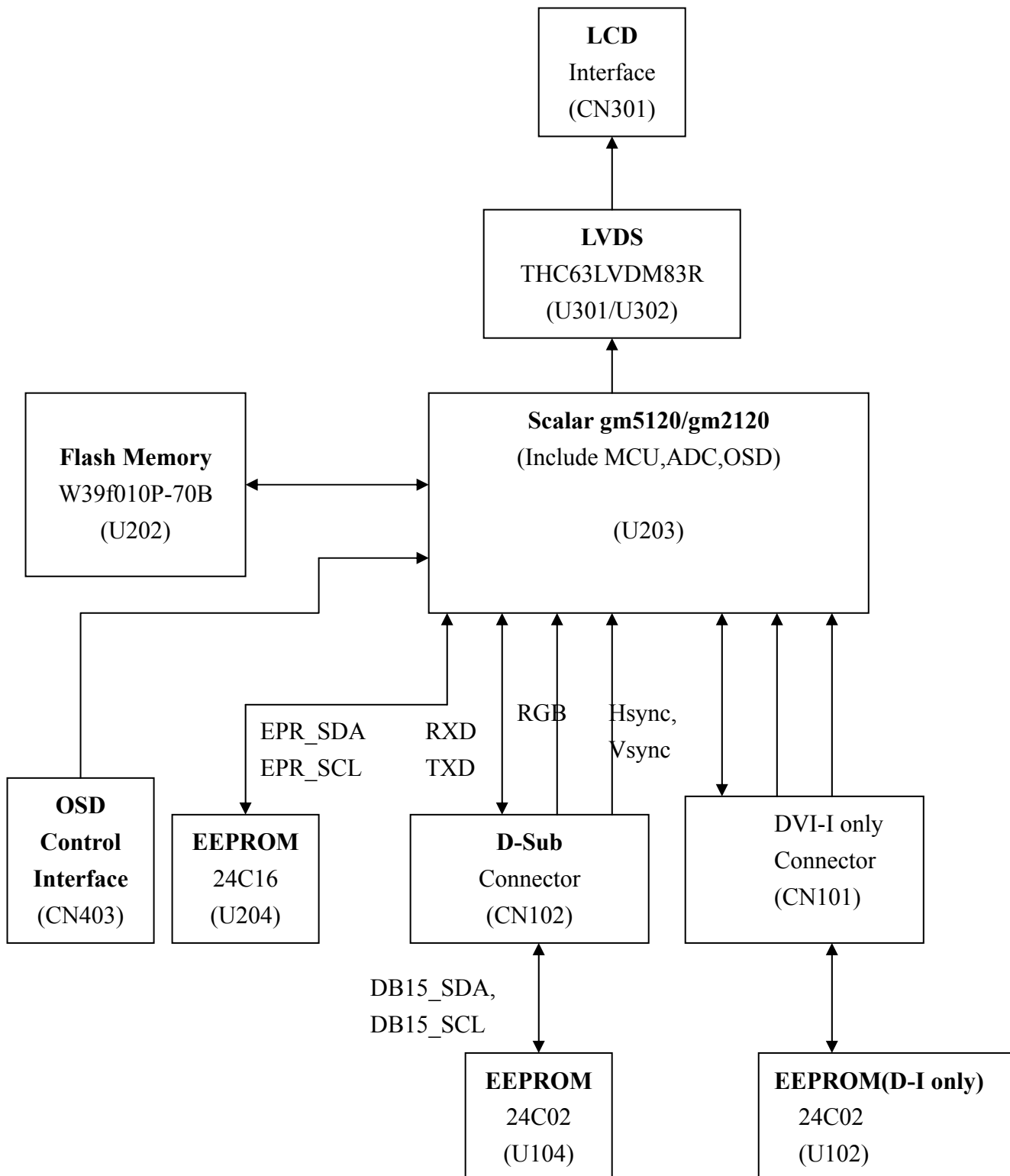
5.2 Software Flow Chart



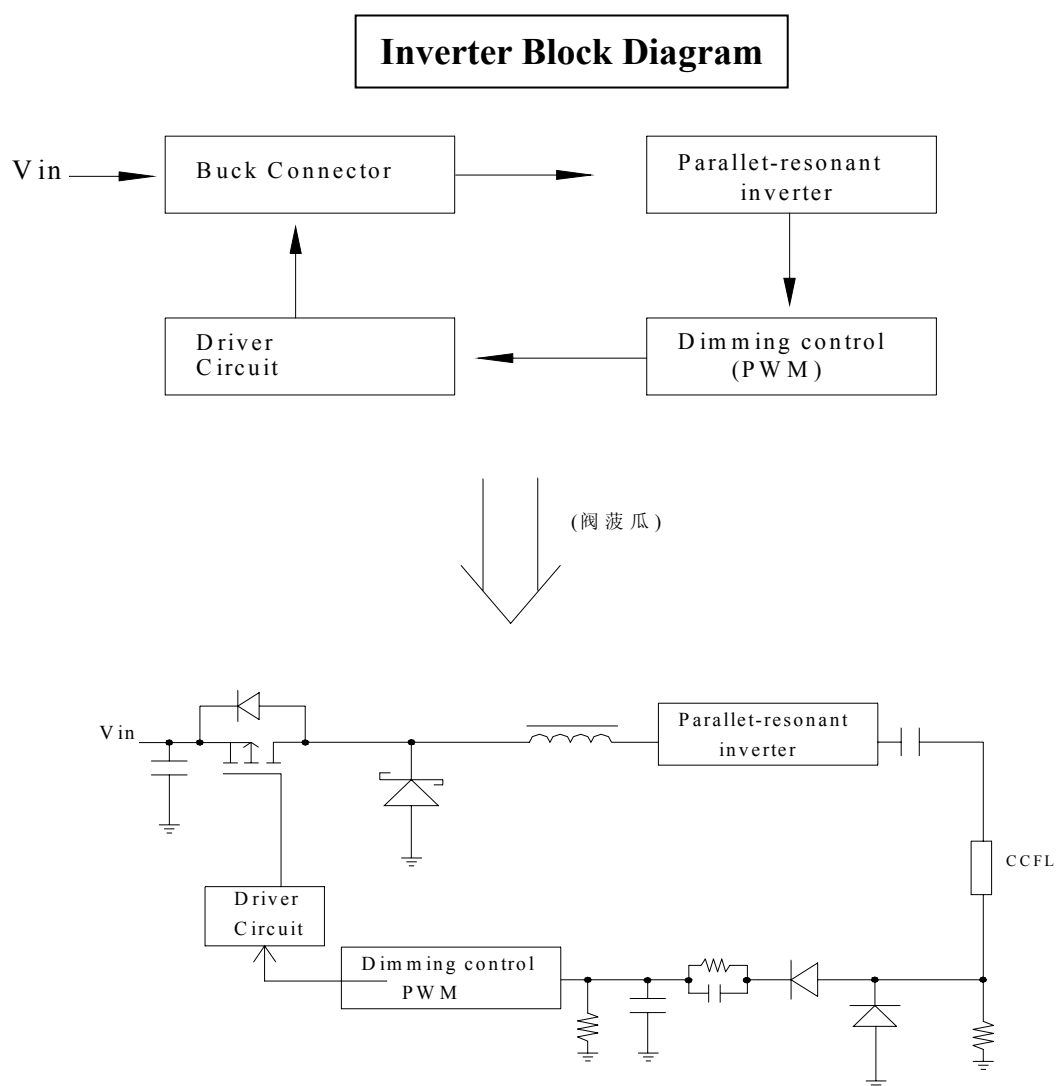
- 1) MCU initialize.
- 2) Is the eeprom blank ?
- 3) Program the eeprom by default values.
- 4) Get the PWM value of brightness from eeprom.
- 5) Is the power key pressed ?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed ?
- 8) Enter factory mode.
- 9) Save the power key status into eeprom.
Turn on the LED and set it to green color.
Scaler initialize.
- 10) In standby mode ?
- 11) Update the life time of back light.
- 12) Check the analog port, are there any signals coming ?
- 13) Does the scalar send out a interrupt request ?
- 14) Wake up the scalar.
- 15) Are there any signals coming from analog port ?
- 16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
- 17) Program the scalar to be able to show the coming mode.
- 18) Process the OSD display.
- 19) Read the keyboard. Is the power key pressed ?

5.3 Electrical Block Diagram

5.3.1 Main Board

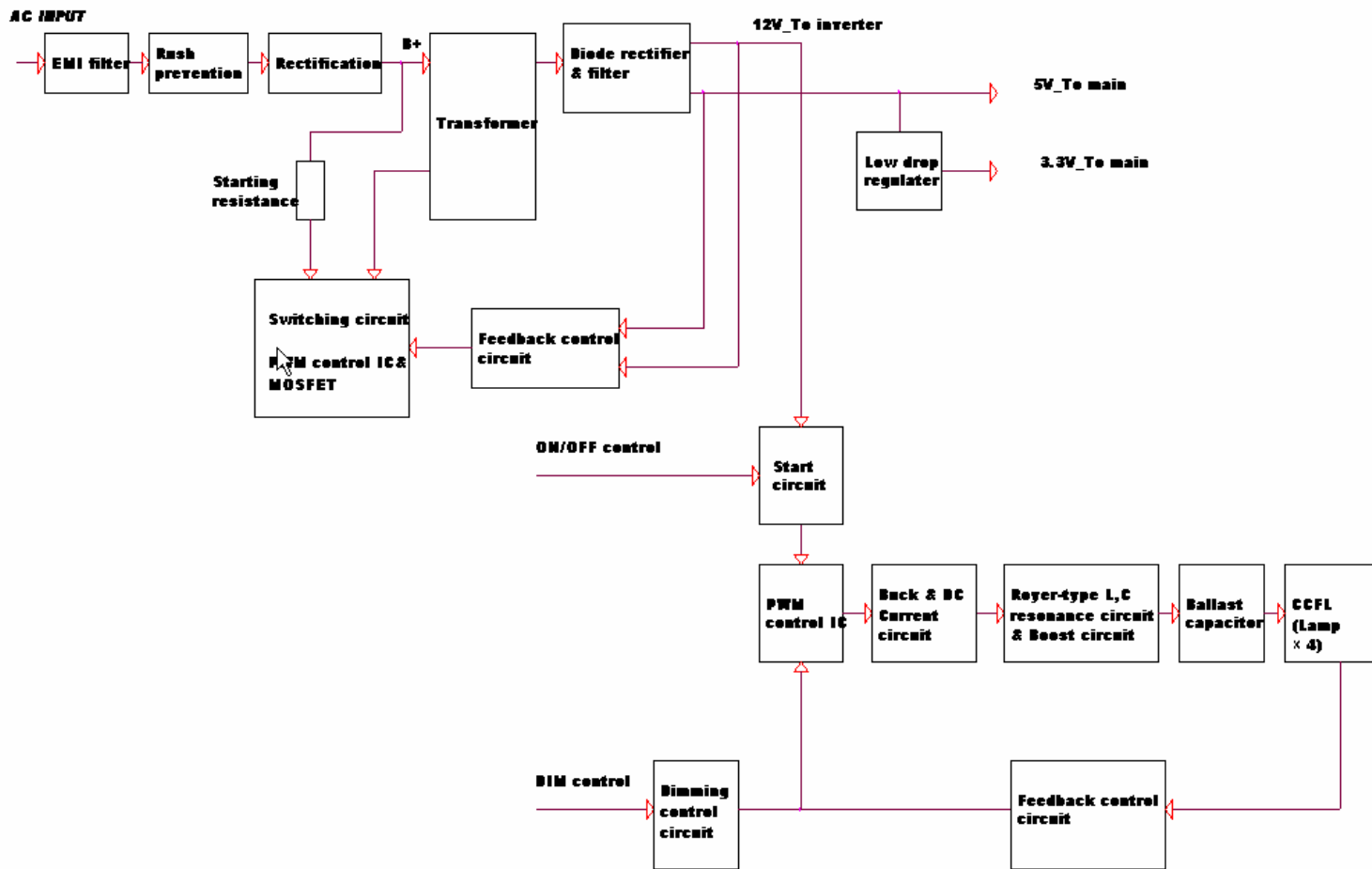


5.3.2 Inverter/Power Board



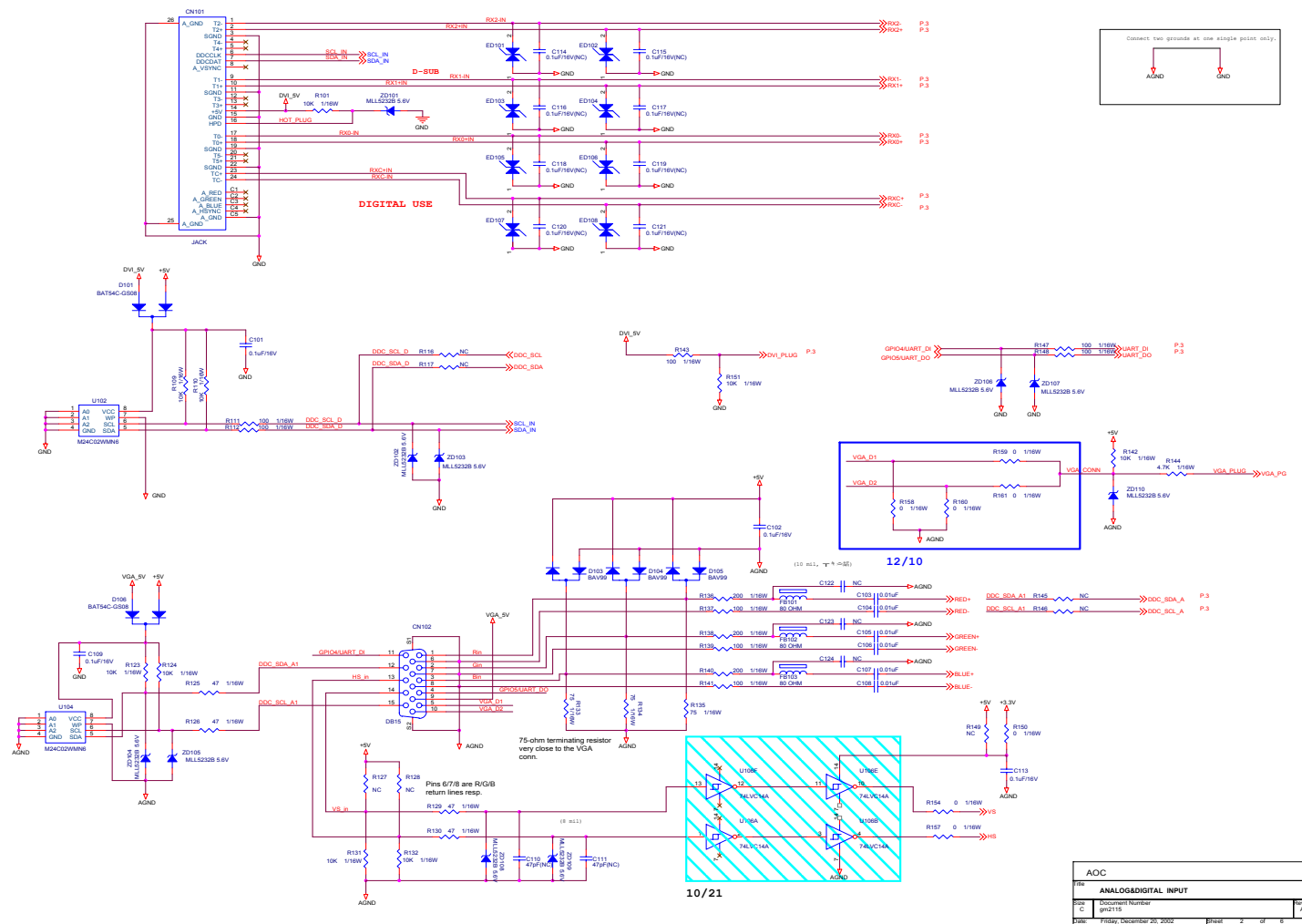
Power Block Diagram

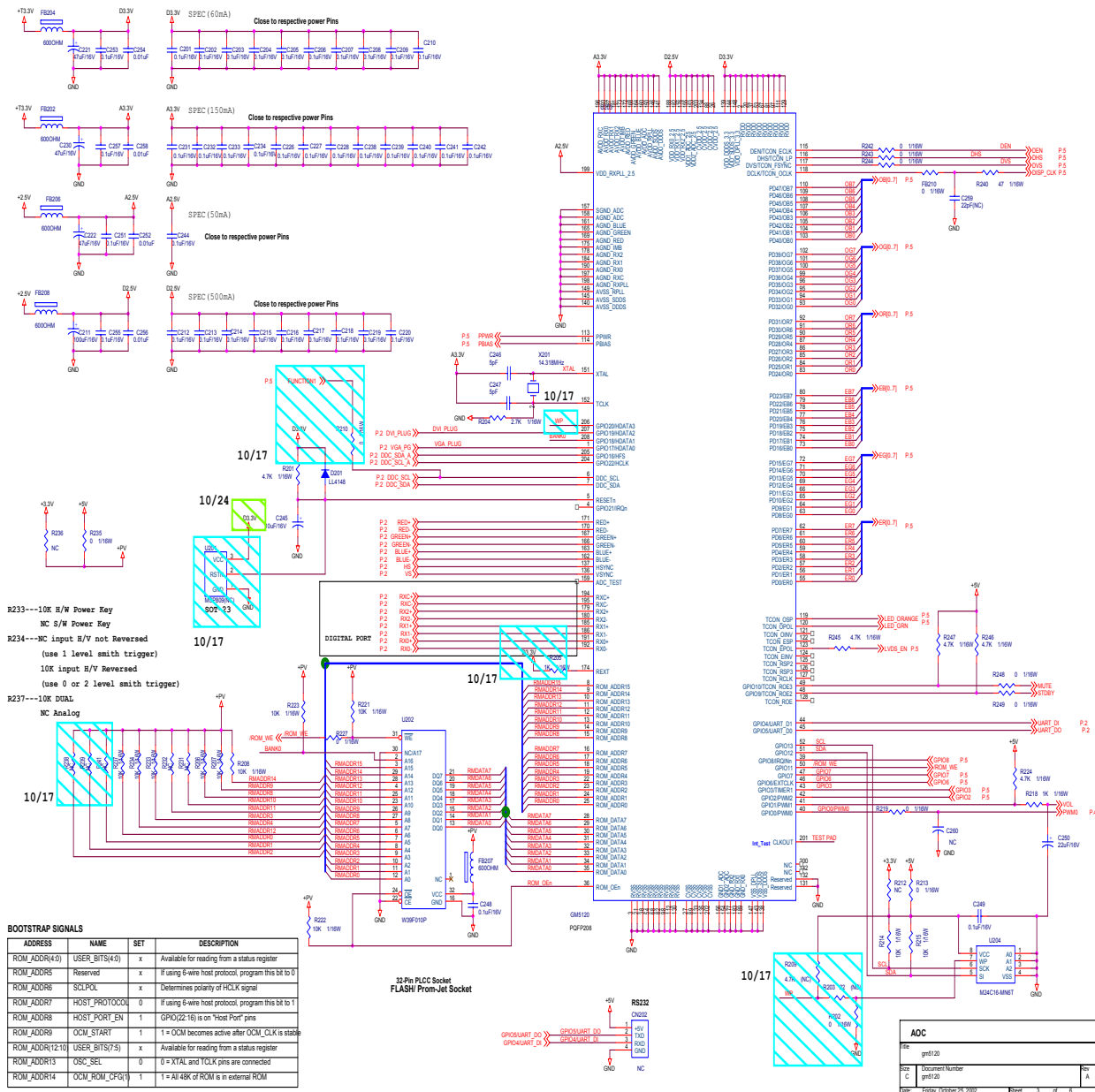
PWPC7425A1 INTERNAL POWER CIRCUIT BLOCK DIAGRAM

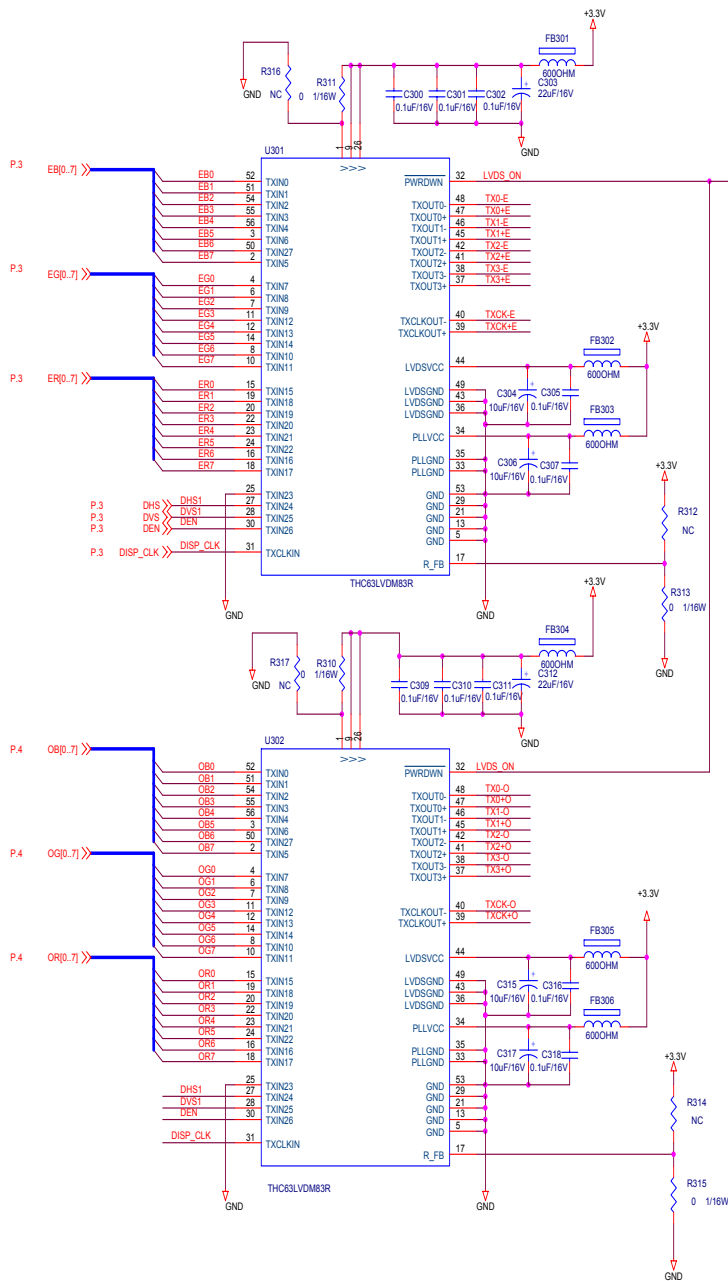


6. Schematic

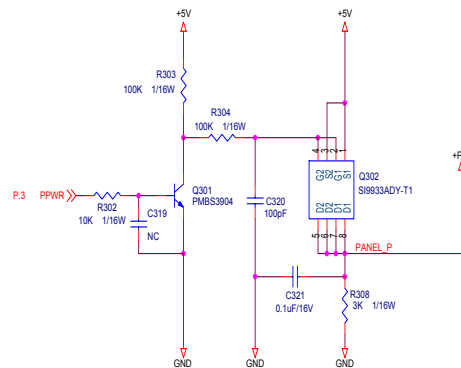
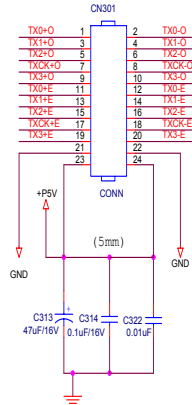
6.1 Main Board





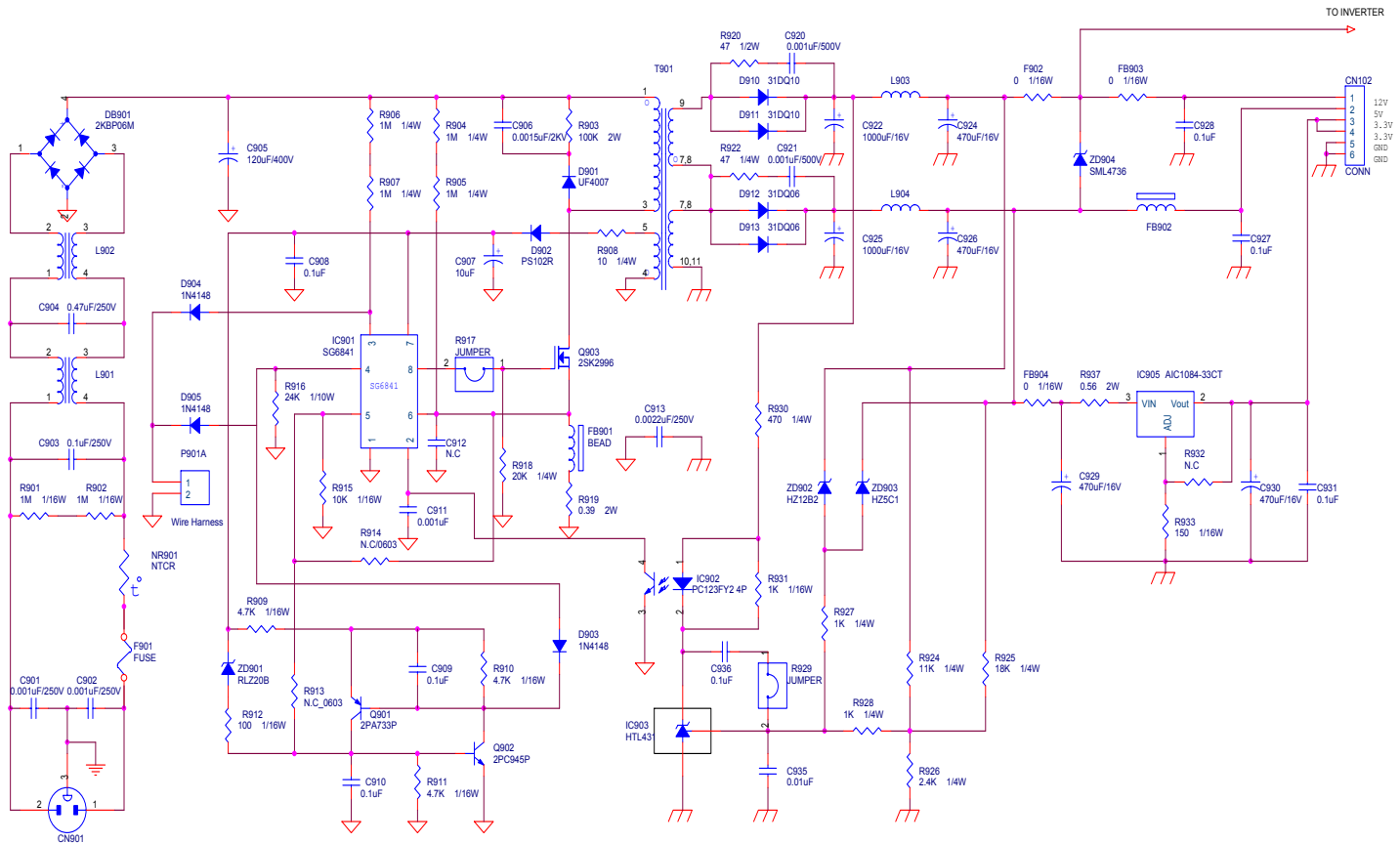


CONNECTOR for PANEL

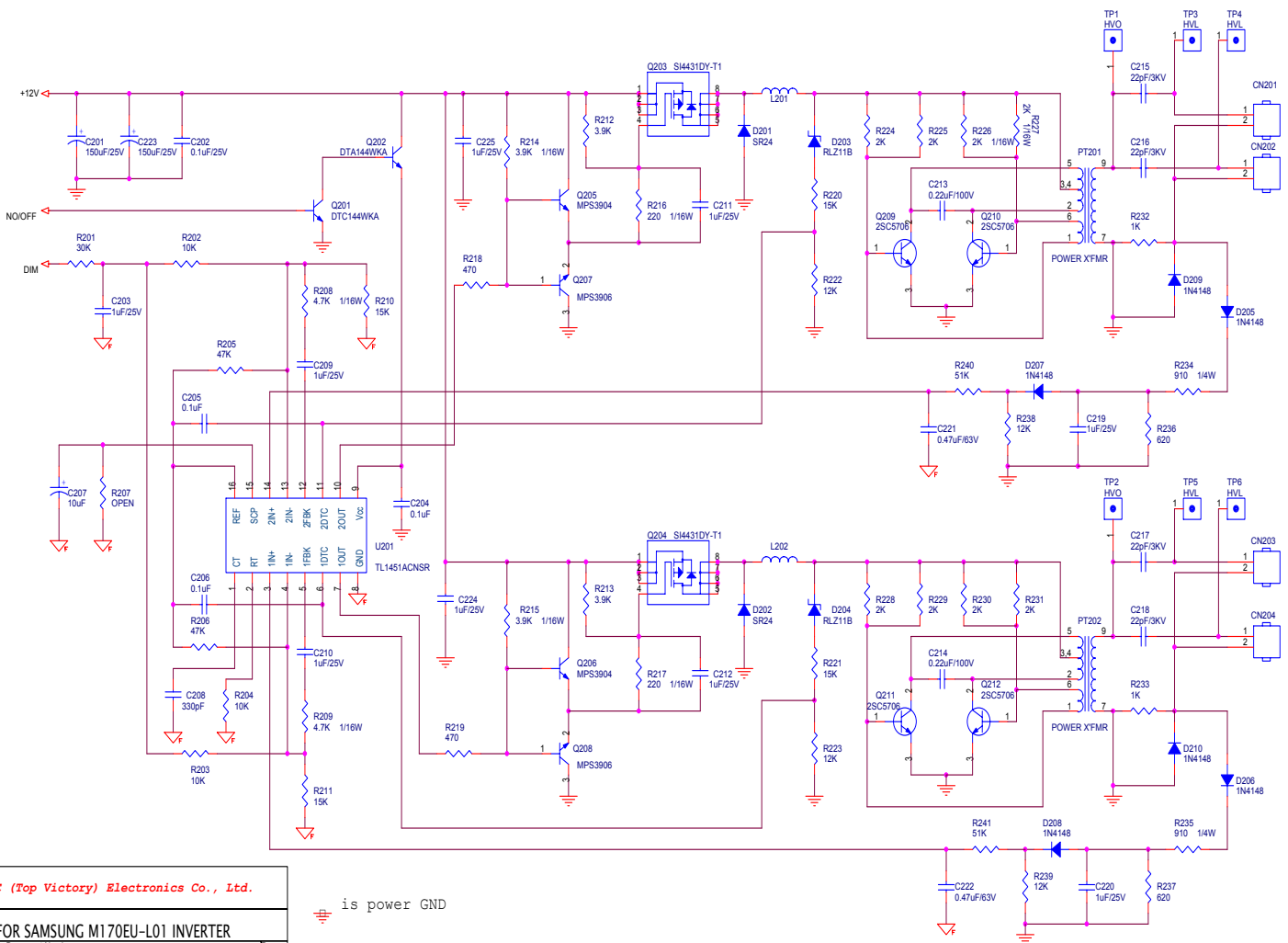


| | | |
|----------------|--------------------------|--------------|
| Title | | |
| LVDS Interface | | |
| Size | Document Number | Rev |
| Customer | Doc | |
| Date | Friday, October 25, 2002 | Sheet 4 of 6 |

6.2 Inverter/Power Board

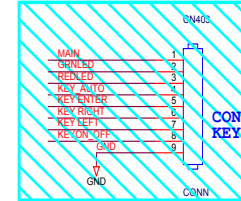
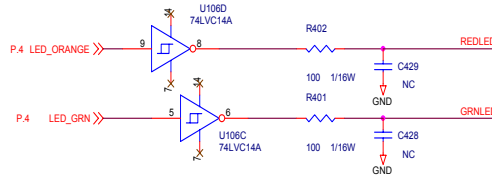
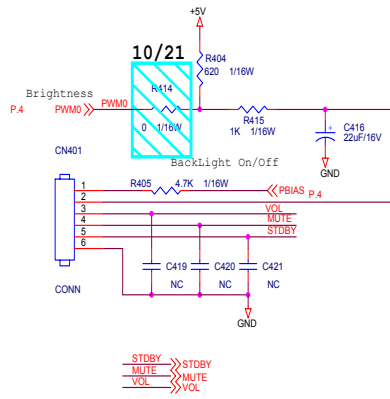


| <Title> | | | |
|--------------------------|---------------------------|-------|--------|
| POWER / INVERTER / AUDIO | | | |
| Size | Document Number | Rev | |
| B | 71511013-B | 1 | |
| Date: | Tuesday, October 01, 2002 | Sheet | 1 of 3 |

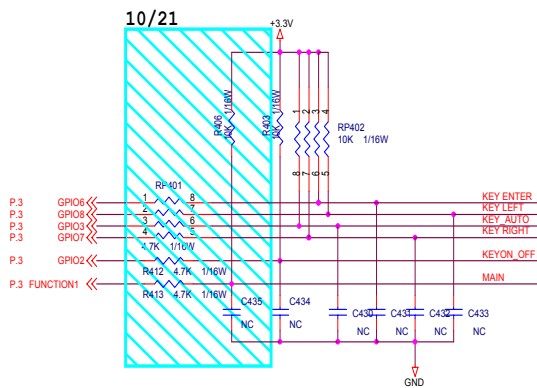


| | | |
|--|-----------------|-----|
| AOC (Top Victory) Electronics Co., Ltd. | | |
| Title | | |
| 2. FOR SAMSUNG M170EU-L01 INVERTER | | |
| Size | Document Number | Rev |
| B | | A |
| Date: Tuesday, October 01, 2002 Sheet 2 of 2 | | |

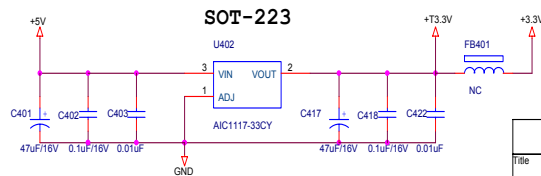
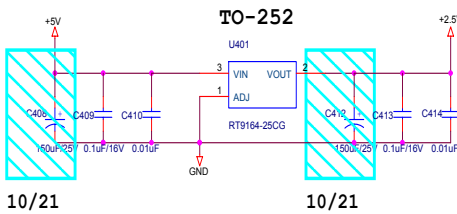
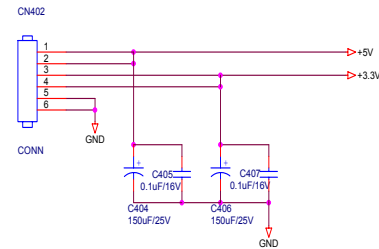
6.3 KeyPad Board



for



CONNECTOR for
POWER/INVERTER
Board

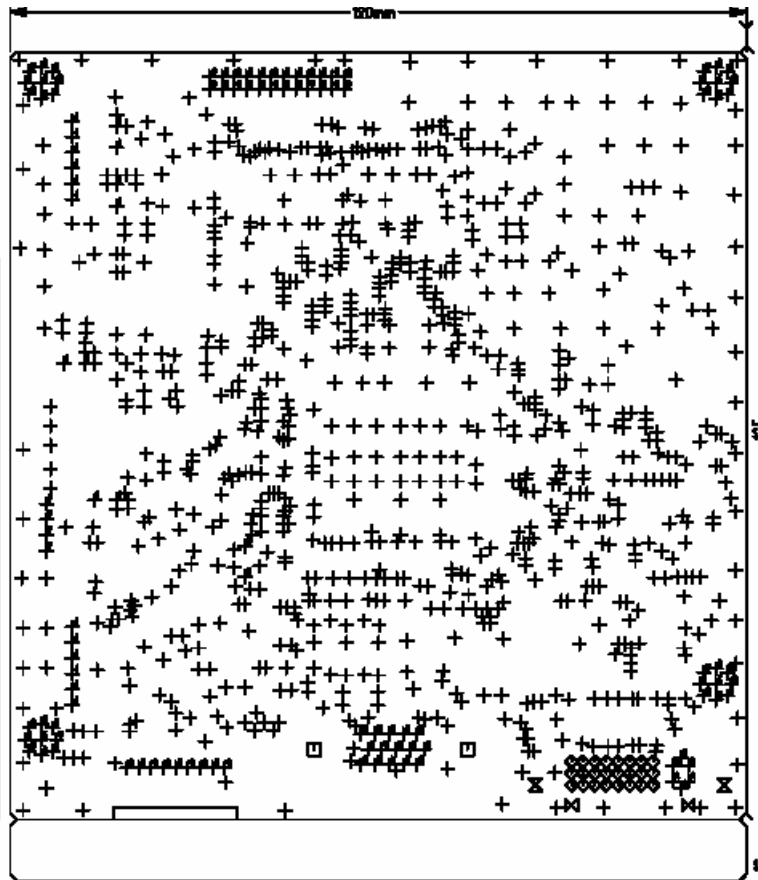


| AOC | | |
|-------------------|--------------------------|--------------|
| Title | | |
| K.B AND CONNECTOR | | |
| Size | Document Number | Rev |
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| Date: | Friday, October 25, 2002 | Sheet 5 of 6 |

7. PCB Layout

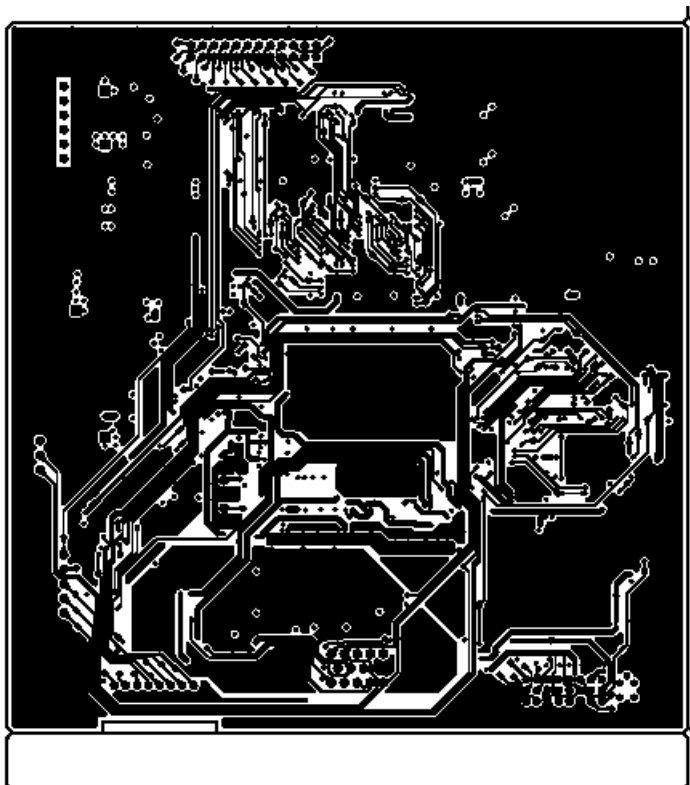
7.1 Main Board

| SIZE | QTY | SYM | PLTD |
|---------|-----|-----|-------|
| 0.3556 | 661 | + | PLTD |
| 3.2004 | 2 | □ | PLTD |
| 0.8636 | 24 | ◇ | PLTD |
| 2.032 | 2 | ⊗ | PLTD |
| 2.032 | 2 | ⊗ | NPLTD |
| 0.8604 | 8 | A | PLTD |
| 0.888 | 2 | B | PLTD |
| 0.508 | 32 | D | PLTD |
| 3.302 | 4 | E | NPLTD |
| 0.8906 | 4 | F | PLTD |
| 0.8128 | 33 | G | PLTD |
| 1.05004 | 15 | H | PLTD |
| 0.8144 | 8 | I | PLTD |
| 1.018 | 12 | J | PLTD |



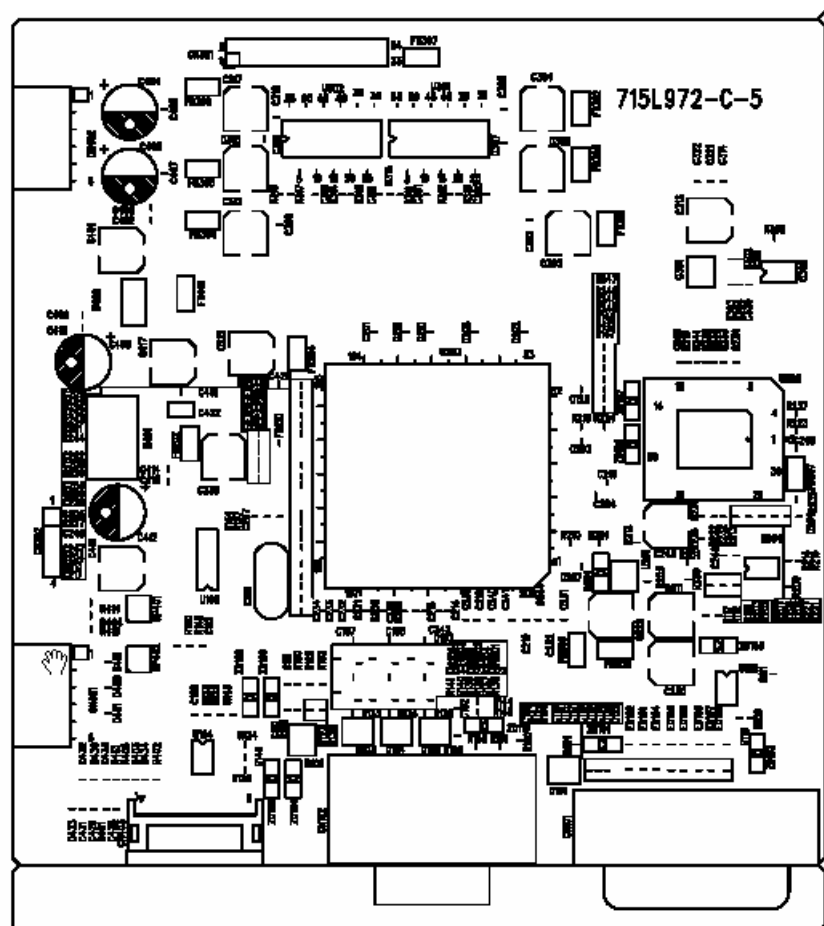
DRILL DRAWING

2003-2-10



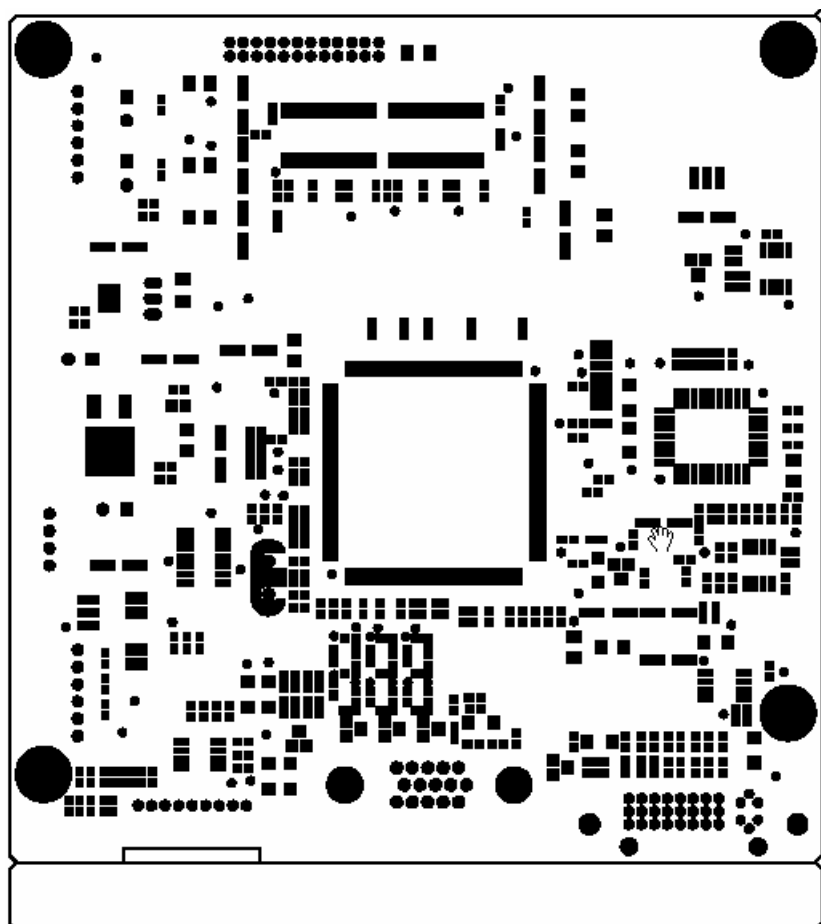
3012 R3DJ02 1/2

2003-2-10



TOP SILKSCREEN

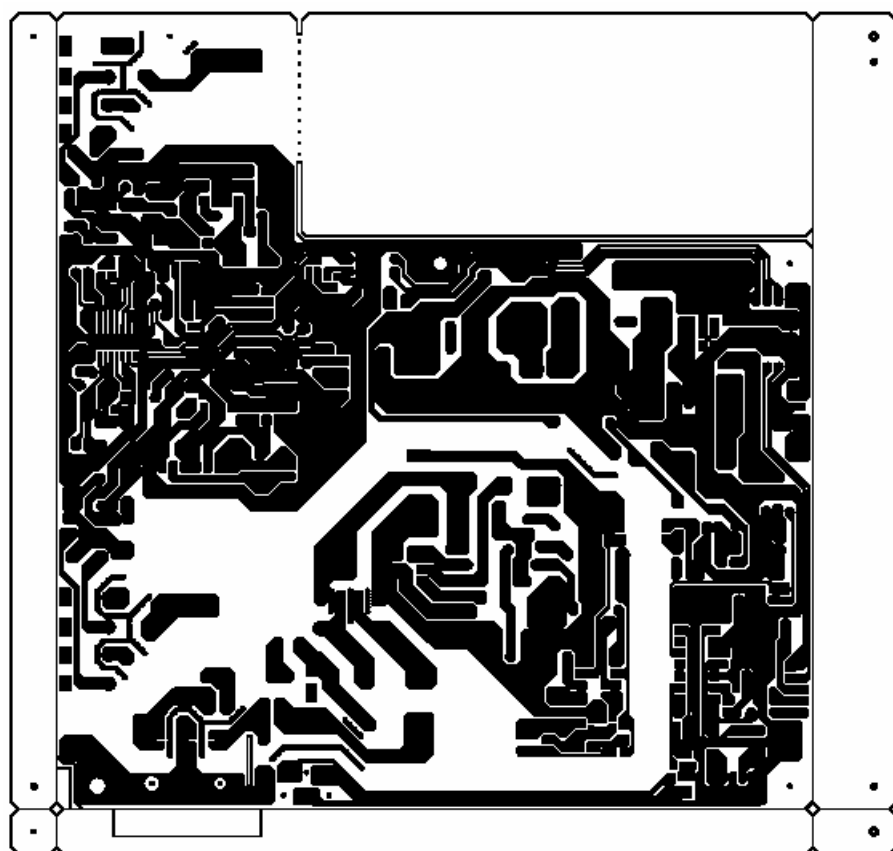
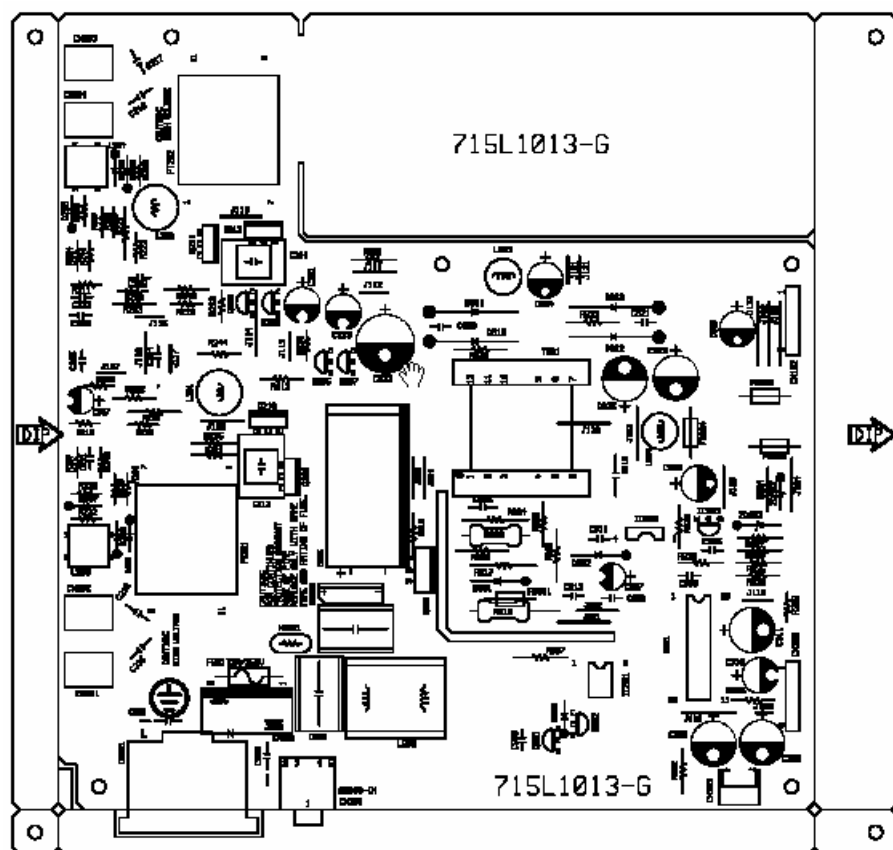
2003-2-10



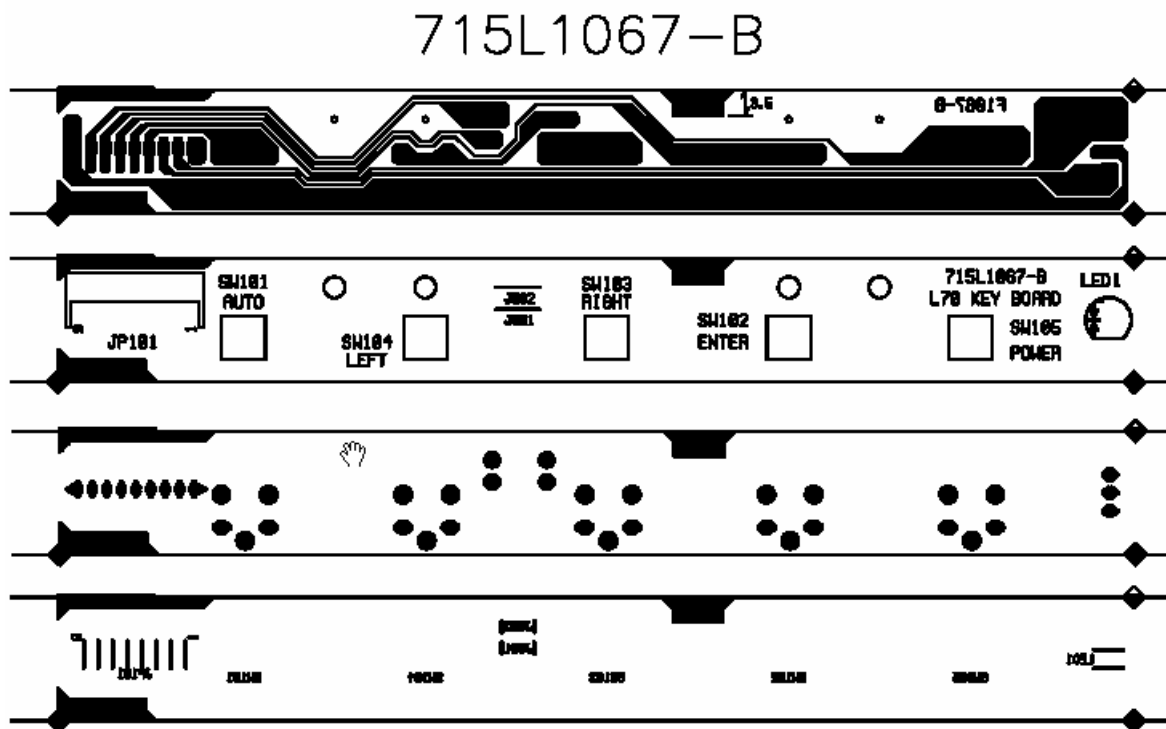
TOP SMD PASTE MASK

2003-2-10

7.2 Inverter/Power Board



7.3 Keypad Board



8. Maintainability

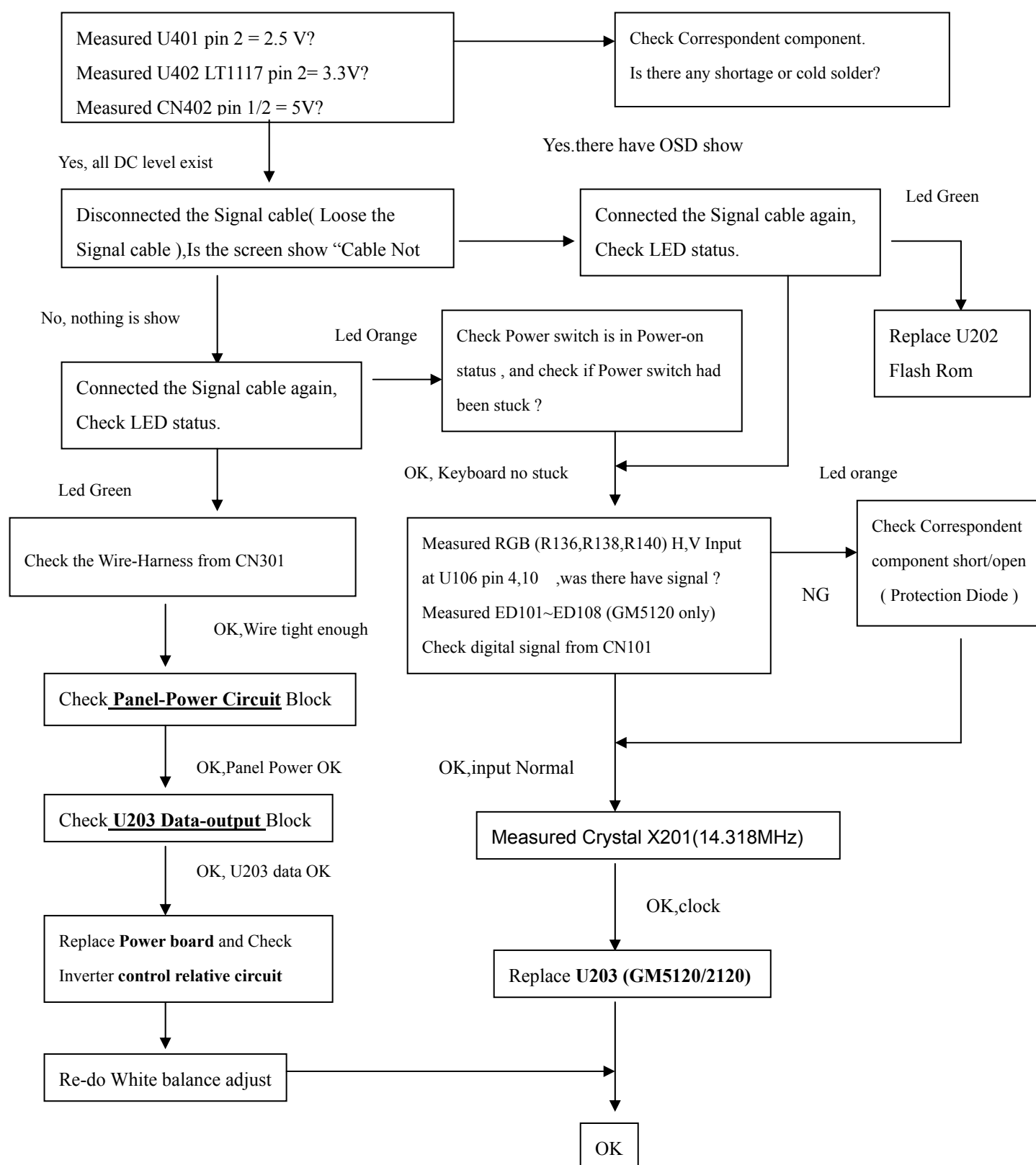
8.1 Equirements and Tools Requirement

- 1.) Voltmeter.
- 2.) Oscilloscope.
- 1.) Pattern Generator.
- 2.) DDC Tool with a IBM Compatible Computer.
- 3.) Alignment Tool.
- 4.) LCD Color Analyzer.
- 5.) Service Manual.
- 6.) User Manual.

8.2 Trouble Shooting

8.2.1 Main Board

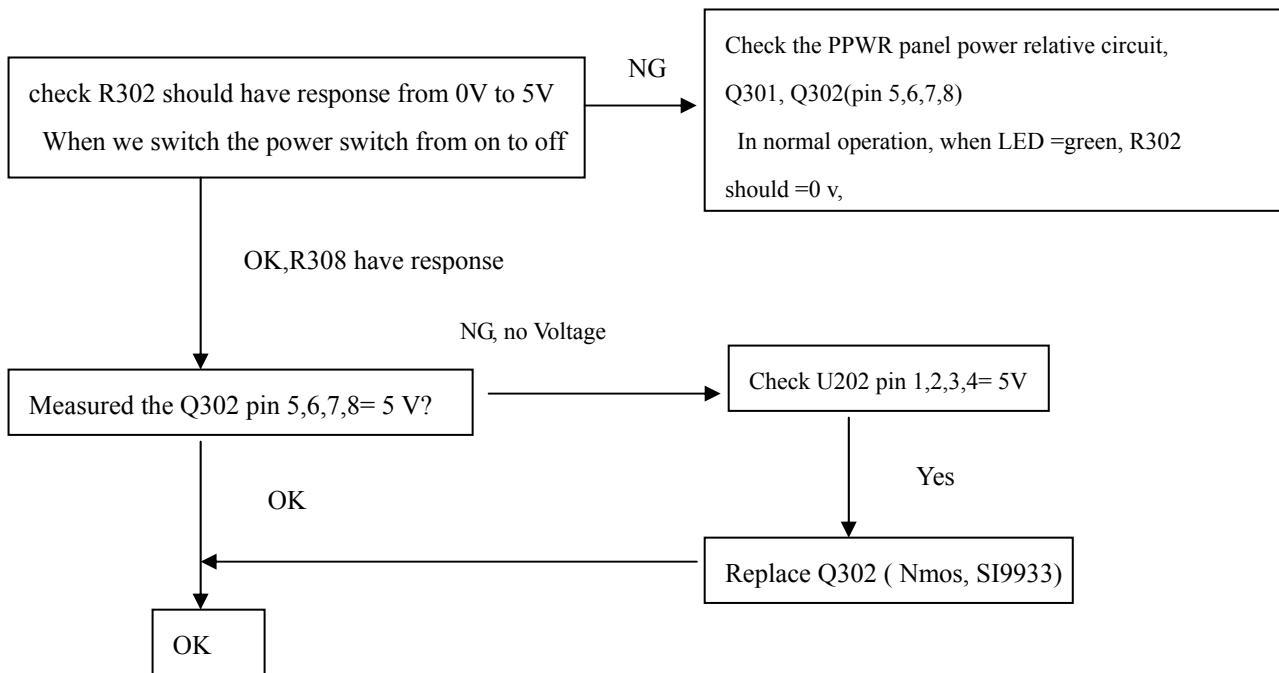
1.NO SCREEN APPEAR



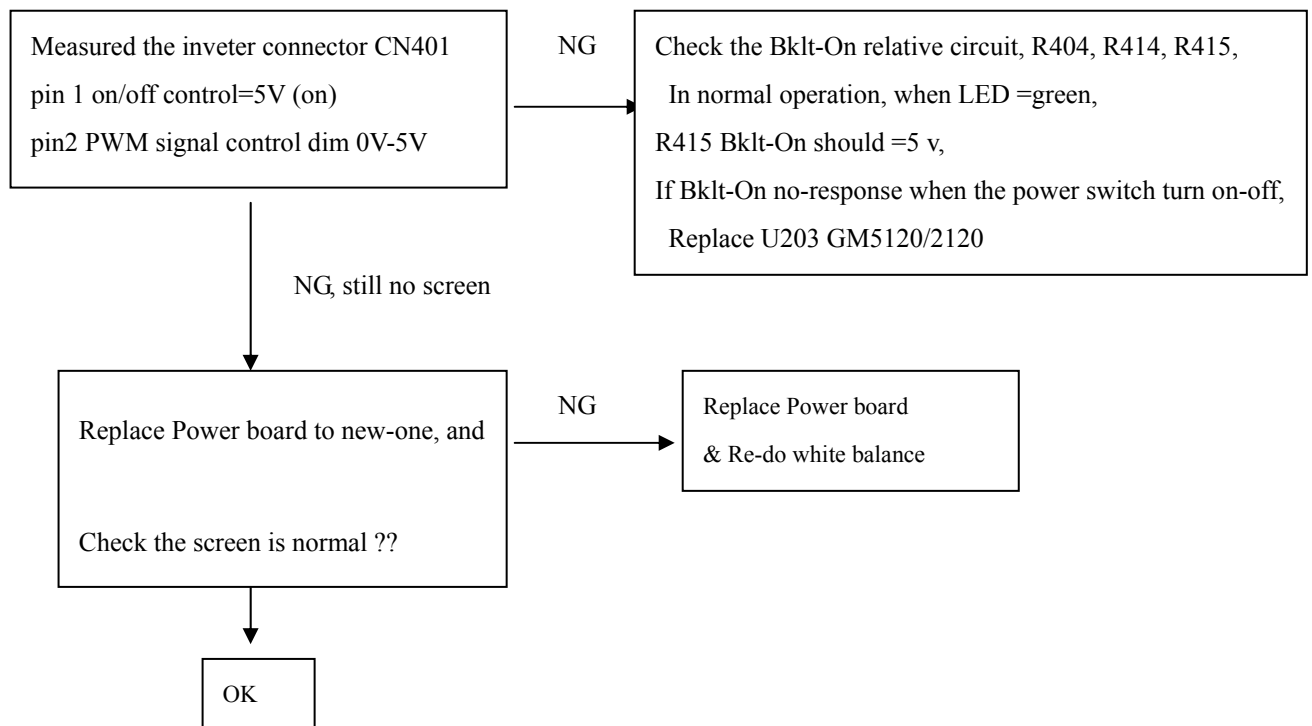
Note: 1. if Replace “**MAIN-BOARD**” , Please re-do “DDC-content” programmed & “WHITE-Balance”.

2. if Replace “**Power Board**” only, Please re-do “ WHITE-Balance”

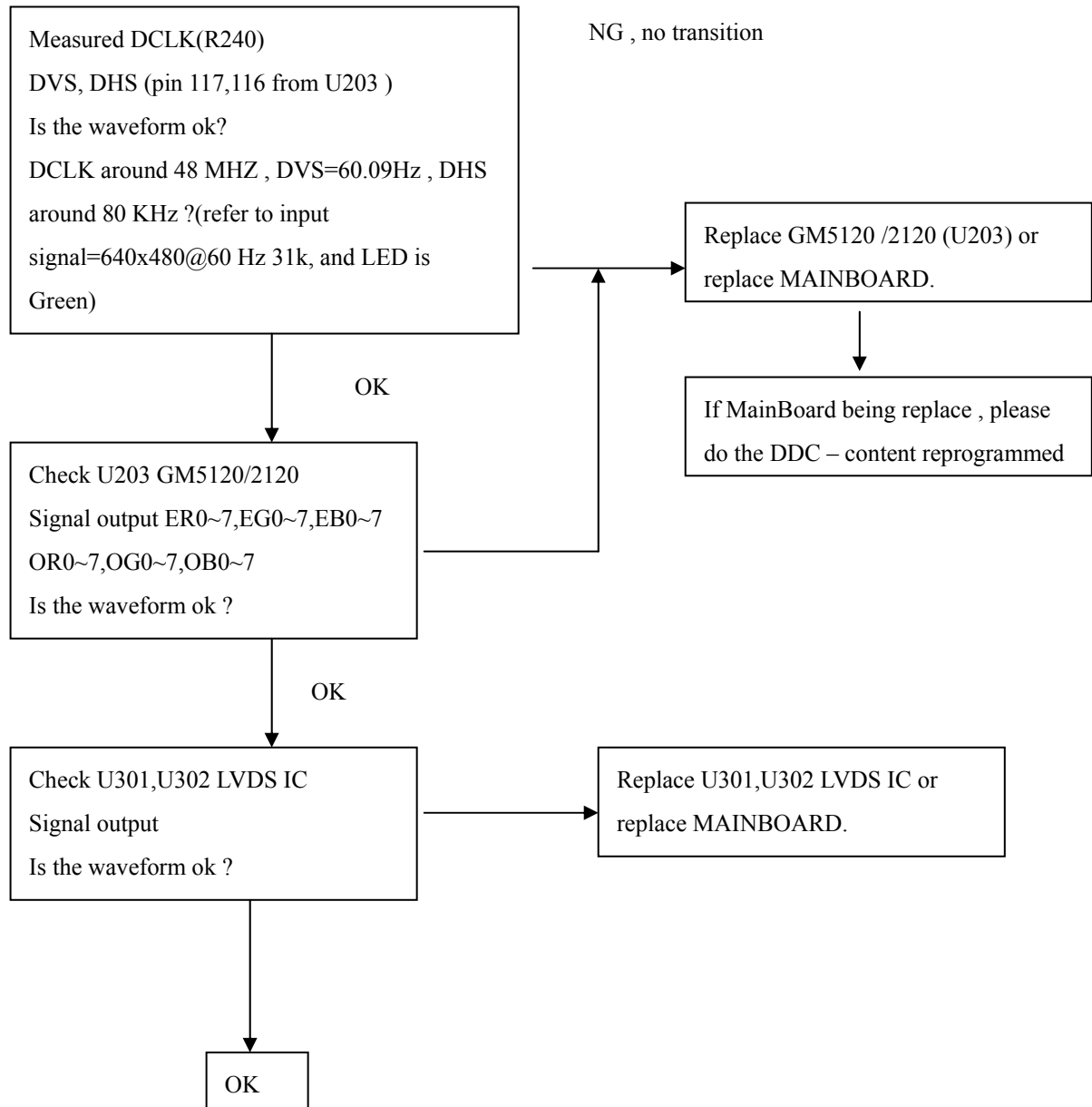
2.PANEL-POWER CIRCUIT



3.INVERTER Control Relative Circuit

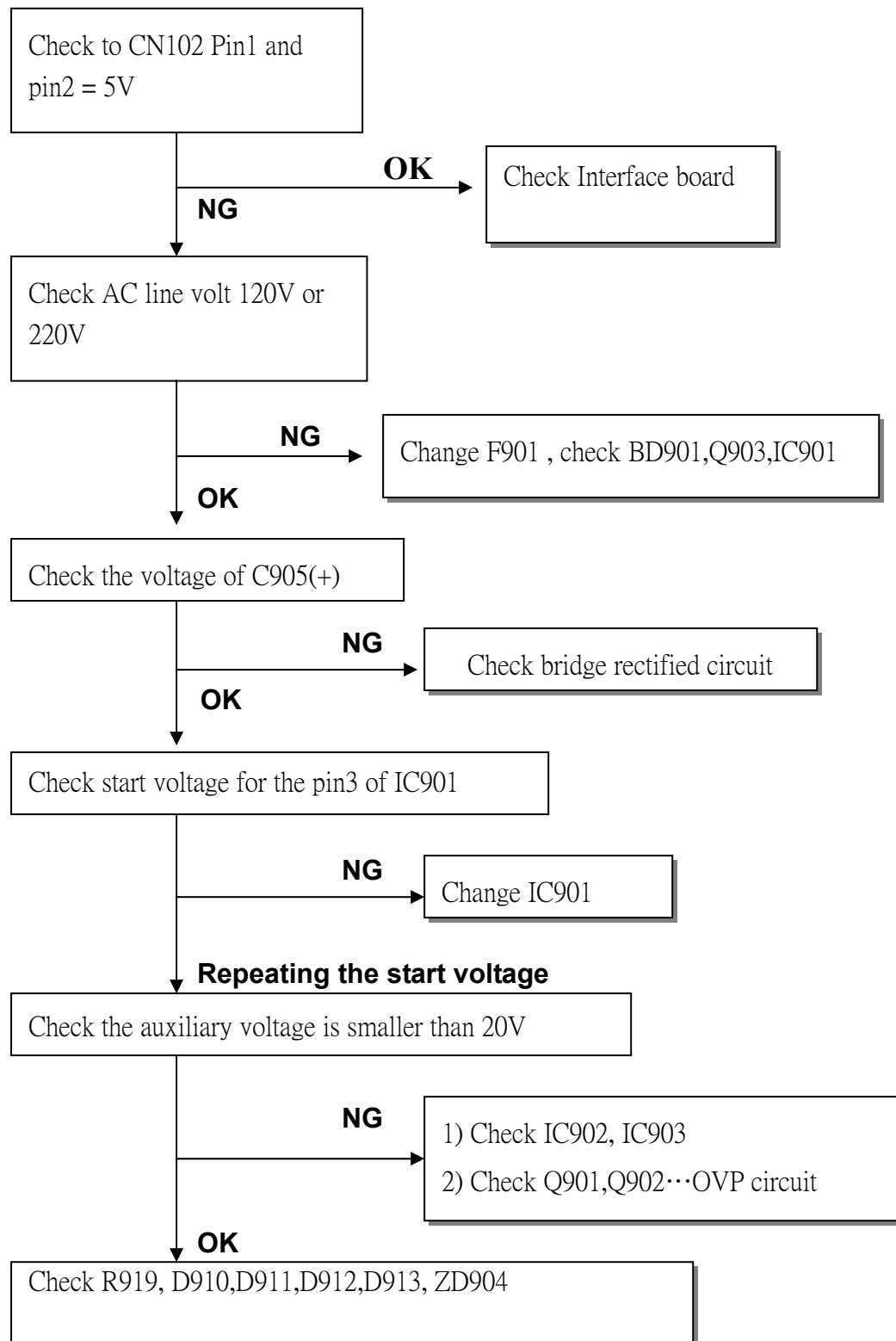


4.U203-DATA OUTPUT

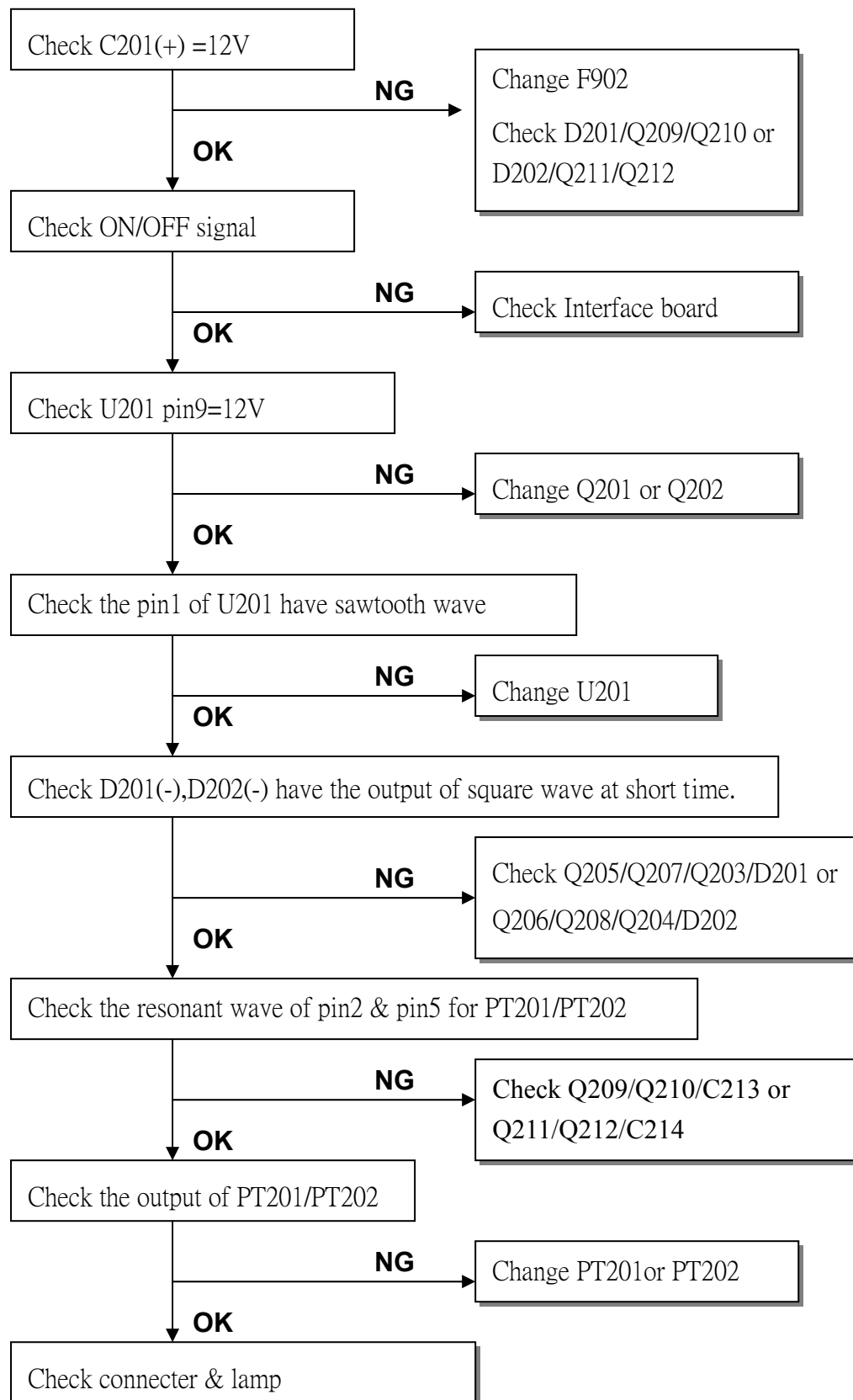


8.2.2 Power/Inverter Board

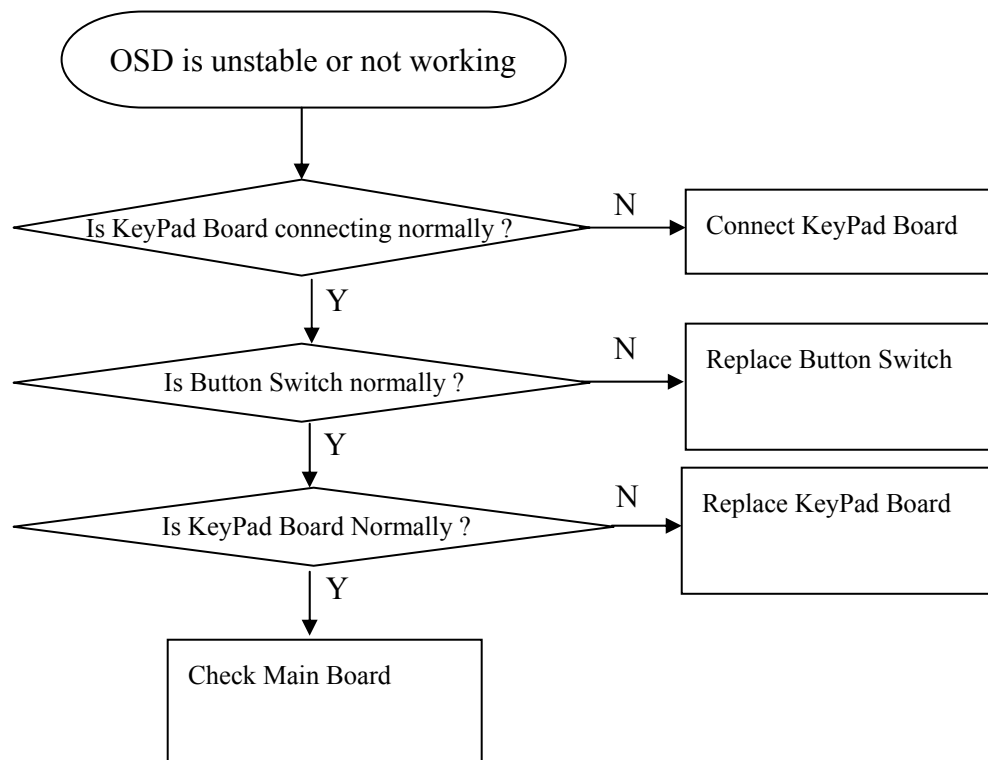
1.) No power



2.) W / LED , No Backlight



8.2.3 Keypad Board



9. White-Balance, Luminance adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.



Before started adjust white balance ,please setting the Chroma-7120 **MEM. channel 1 to 6500** color, **MEM. channel 2 to 7200** color, and **MEM. channel 3 to 9300** color (our 9300 parameter is $x = 296 \pm 10$, $y = 311 \pm 10$, $Y = 190 \pm 10 \text{ cd/m}^2$ and 6500 parameter is $x = 313 \pm 10$, $y = 329 \pm 10$, $Y = 200 \pm 10 \text{ cd/m}^2$, 7200 parameter is $x = 303 \pm 10$, $y = 319 \pm 10$, $Y = 200 \pm 10 \text{ cd/m}^2$)

How to setting MEM.channel you can reference to chroma 7120 user guide or simple use “SC” key and “NEXT” key to modify xyY value and use “ID” key to modify the TEXT description

Following is the procedure to do white-balance adjust

Press MENU button during 2 seconds along with press Power button will activate the factory mode, then MCU will do AUTO LEVEL automatically. Meanwhile press MENU the OSD screen will located at **left top of panel**.

I. Bias adjustment :

1. set the contrast  to 90.
2. adjust the **Brightness**  to 100.

II. Gain adjustment :

Move cursor to “-Factory-” and press MENU key

a. adjust 6500 color-temperature

- 1 Switch the chroma-7120 to **RGB-mode** (with press “MODE” button)
- 2 switch the MEM.channel to Channel 01 (with up or down arrow on chroma 7120)
- 3 The lcd-indicator on chroma 7120 will show $x = 313 \pm 10$, $y = 329 \pm 10$, $Y = 200 \pm 5 \text{ cd/m}^2$
- 4 Adjust the RED on OSD window until chroma 7120 indicator reached the value $R=100$
- 5 adjust the GREEN on OSD, until chroma 7120 indicator reached $G=100$
- 6 adjust the BLUE on OSD, until chroma 7120 indicator reached $B=100$
- 7 repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$
- 8 Press Exit on OSD window to save the adjustment result

b. adjust 7200 color-temperature

- 9 Switch the chroma-7120 to **RGB-mode** (with press “MODE” button)
- 10 switch the MEM.channel to Channel 02 (with up or down arrow on chroma 7120)
- 11 The lcd-indicator on chroma 7120 will show $x = 303 \pm 10$, $y = 319 \pm 10$, $Y = 200 \pm 5 \text{ cd/m}^2$
- 12 Adjust the RED on OSD window until chroma 7120 indicator reached the value $R=100$
- 13 adjust the GREEN on OSD, until chroma 7120 indicator reached $G=100$
- 14 adjust the BLUE on OSD, until chroma 7120 indicator reached $B=100$
- 15 repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$
- 16 Press Exit on OSD window to save the adjustment result

c. adjust 9300 color-temperature

- 17 Switch the chroma-7120 to **RGB-mode** (with press “MODE” button)
- 18 switch the MEM.channel to Channel 03 (with up or down arrow on chroma 7120)
- 19 The lcd-indicator on chroma 7120 will show $x = 296 \pm 10$, $y = 311 \pm 10$, $Y = 190 \pm 5 \text{ cd/m}^2$
- 20 Adjust the RED on OSD window until chroma 7120 indicator reached the value $R=100$
- 21 adjust the GREEN on OSD, until chroma 7120 indicator reached $G=100$
- 22 adjust the BLUE on OSD, until chroma 7120 indicator reached $B=100$
- 23 repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$
- 24 Press Exit on OSD window to save the adjustment result

Turn the POWER-button off to on to quit from factory mode.

10. EDIT Content

D-SUB Connector(Analog)

| | x0 | x1 | x2 | x3 | x4 | x5 | x6 | x7 | x8 | x9 | xA | xB | xC | xD | xE | xF |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 00 | 00 | FF | FF | FF | FF | FF | FF | 00 | 24 | 4D | 70 | A1 | 40 | E2 | 01 | 00 |
| 16: | 0B | 0D | 01 | 03 | 68 | 22 | 1B | 78 | 2A | 24 | 1F | A1 | 5A | 49 | 99 | 25 |
| 32: | 1A | 4C | 55 | BF | EF | 00 | 81 | 80 | 61 | 4C | 71 | 4F | 01 | 01 | 01 | 01 |
| 48: | 01 | 01 | 01 | 01 | 01 | 01 | BC | 34 | 00 | 98 | 51 | 00 | 2A | 40 | 10 | 90 |
| 64: | 13 | 00 | 54 | 0E | 11 | 00 | 00 | 1E | 00 | 00 | 00 | FD | 00 | 37 | 4B | 1E |
| 80: | 53 | 0E | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FF | 00 | 35 |
| 96: | 35 | 30 | 30 | 30 | 30 | 31 | 0A | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC |
| 112 | 00 | 49 | 42 | 4D | 20 | 4C | 31 | 37 | 30 | 20 | 54 | 46 | 54 | 0A | 00 | 95 |

Note: Byte 0C, 0D, 0E, 0F means Serial No. Byte 10, 11 means Manufacture Time. Byte 7F means checksum

11. BOM List

| | | | | |
|--|---------------|----------------------|------|-----|
| | CBPC780KKDI3 | CONVERSION BOARD | 1 | PCS |
| | KEPC780KI3 | KEY BOARD | 1 | PCS |
| | PWPC7425A1I2 | LCD POWER ASS'Y | 1 | PCS |
| | 2L6008 1 | SCREW | 2 | PCS |
| | 12L 404 1 | SCREW RUBBER | 4 | PCS |
| | 15L5689 2 A | GND CLAMP | 1 | PCS |
| | 15L5851 2 | MAIN FRAME | 1 | PCS |
| | 15L5908 1 | BRACKET | 1 | PCS |
| | 33L4599AB6 T | KEY PAD | 1 | PCS |
| | 33L4600 1 | POWER LENS | 1 | PCS |
| | 34L1118A72 T | FRONT PANEL | 1 | PCS |
| | 34L1119A72 T | BACK COVER | 1 | PCS |
| | 34L1120 72 T | SUPPORT FRONT | 1 | PCS |
| | 34L1121 72 T | SUPPORT BACK | 1 | PCS |
| | 34L1122 72 T | HINGE COVER(T) | 1 | PCS |
| | 34L1123 B6 T | HINGE COVER(B) | 1 | PCS |
| | 40L 152509 | RECYCLE LABEL | 0 | PCS |
| | 40L 152512 | RECYCLE LABEL | 0 | PCS |
| | 40L 190625 1 | ID LABEL | 1 | PCS |
| | 40L 45760819A | ネ玻ら黻夹帽/诀贺夹帽 | 1 | PCS |
| | 40L 457625 1A | CARTON LABEL | 1 | PCS |
| | 40L 457625 2A | S/N LABEL | 1 | PCS |
| | 40L 581 26704 | 酏纒 FOR CARTON/PALLET | 0.02 | PCS |
| | 40L 581625 2A | PALLET LABEL | 0.02 | PCS |
| | 41L 68508 A | 恨 | 0.2 | PCS |
| | 44L3231 3 | EVA | 1 | PCS |
| | 44L3231 15 | EVA WASHER | 1 | PCS |
| | 44L3712 1 | EPC(L) | 1 | PCS |
| | 44L3712 2 | EPS(R) | 1 | PCS |
| | 44L3712 4 | CARTON | 1 | PCS |
| | 44L3712624 1A | CARTON | 1 | PCS |
| | 45L 77 3 | ゴ 钱 | 173 | CM |
| | 45L 77500 | BARCODE RIBBON | 19 | CM |
| | 45L 77501 | BARCODE RIBBON | 0.5 | CM |
| | 45L 88607IBM | PE BAG | 1 | PCS |

| | | | | |
|-------|----------------|-------------------------|------|-----|
| | 52L 1186 | SMALL TAPE | 8 | CM |
| | 52L 1208 A | TAPE | 2 | PCS |
| | 52L 1211501 | 絢袈 | 1 | PCS |
| | 52L6020 3AIBM | PROTECT FILM | 0.1 | PCS |
| | 52L6022 2 | SMALL TAPE | 15 | CM |
| | 52L6025 11531 | INSULATE SHEET | 1 | PCS |
| | 52L6025 11532 | INSULATE SHEET | 1 | PCS |
| | 85L 635 1 | SHIELD | 1 | PCS |
| | 89L1738LAA 1 | SIGNAL CABLE | 1 | PCS |
| | 89L402A18N LS | POWER CORD | 1 | PCS |
| | 89L402A18N VL | POWER CORD | 0 | PCS |
| | 95L8018 30504 | HARNESS | 1 | PCS |
| | M1L 140 10 47 | SCREW M4X10 | 4 | PCS |
| | M1L 330 4128 | SCREW M3X4 | 4 | PCS |
| | M1L1030 4128 | SCREW | 2 | PCS |
| | M1L1040 8128 | SCREW | 1 | PCS |
| | M1L1130 6128 | SCREW | 9 | PCS |
| | Q1L 330 10120 | SCREW FOR FP/RC | 4 | PCS |
| | Q1L1030 8120 | SCREW 3X8 NI | 2 | PCS |
| | Q1L1030 8128 | SCREW | 4 | PCS |
| | 750LLK70200 | Hydis 17" LCD PANEL(-20 | 1 | PCS |
| | 705L780KB34057 | 催艙ン | 1 | PCS |
| | AIC780KKDI3 | MAIN BOARD | 1 | PCS |
| CN401 | 33A8022 6A H | PIN HEADER FEMALE 90 6P | 1 | PCS |
| CN402 | 33A8022 6A H | PIN HEADER FEMALE 90 6P | 1 | PCS |
| CN403 | 33L3802 9H | WAFER 9P RIGHT ANELE PI | 1 | PCS |
| CN301 | 33L801724A H | PIN HEADER 24P 2.0mm | 1 | PCS |
| | 40L 457624 1A | CPU LABEL | 1 | PCS |
| | 40L 45762412A | CBPC LABEL | 1 | PCS |
| | 49L 51 1A | 筋猥 | 0.05 | ML |
| | 55L 100600 A | ん盼嘜奎 | 0.5 | G |
| | 55L 100603 | κ て嘜奎 | 9.1 | G |
| U202 | 56L1133 41 K6 | W39F010P-70B | 1 | PCS |
| C404 | 67L215C151 4H | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| C406 | 67L215C151 4H | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| C408 | 67L215C151 4H | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| C412 | 67L215C151 4H | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| CN102 | 88L 35315F HA | D-USB 15PIN | 1 | PCS |
| X201 | 93L 22 53 | CRYSTAL 14.318MHzHC-49U | 1 | PCS |

| | | | | |
|-------|--------------|--------------------------|------|-----|
| | 715L 972 1 6 | PCB | 1 | PCS |
| | 55L 23520 | IPA | 0.06 | ML |
| | 55L 100600 A | 盼睐奎 | 0.5 | G |
| | 55L 100602 | 奎筹 | 0.85 | G |
| U301 | 56L 561 8 | THC63LVDM83R | 1 | PCS |
| U302 | 56L 561 8 | THC63LVDM83R | 1 | PCS |
| U203 | 56L 562 26 | gm2120 CG | 1 | PCS |
| Q302 | 56L 566 1 | SI9933ADY-T1 | 0 | PCS |
| Q302 | 56L 566 6 | SI9953DY-T1 | 1 | PCS |
| U402 | 56L 585 4 | AIC1117-33CY | 1 | PCS |
| U401 | 56L 585 7 | RT9164-25CL | 1 | PCS |
| U204 | 56L1133 33 | M24C16-MN6T | 1 | PCS |
| U104 | 56L1133 34 | M24C02-WMN6T SMT | 1 | PCS |
| U106 | 56L4LVC 14 P | 74LVC14ADT | 1 | PCS |
| Q301 | 57L 417 4 | PMBS3904/PHILIPS-SMT (04 | 1 | PCS |
| RP402 | 61L 125103 8 | CHIP AR 8P4R 10KOHM +-5 | 1 | PCS |
| RP401 | 61L 125472 8 | CHIP AR 8P4R 4.7K OHM+- | 1 | PCS |
| FB210 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R150 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R154 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R157 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R159 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R160 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R202 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R210 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R213 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R219 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R227 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R235 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R242 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R243 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R244 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R248 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R249 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R250 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R310 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R311 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R313 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R315 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |

| | | | | |
|------|---------------|------------------------------|---|-----|
| R414 | 61L0603000 | CHIPR 00HM $\pm 5\%$ 1/16W | 1 | PCS |
| R205 | 61L0603100 1F | CHIP 1KOHM 1/16W 1% | 1 | PCS |
| R137 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R139 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R141 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R147 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R148 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R401 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R402 | 61L0603101 | CHIPR 100 OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R218 | 61L0603102 | CHIPR 1K OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R415 | 61L0603102 | CHIPR 1K OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R123 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R124 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R131 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R132 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R142 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R206 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R207 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R208 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R214 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R215 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R221 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R222 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R223 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R231 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R232 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R251 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R302 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R403 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R406 | 61L0603103 | CHIPR 10K OHM $\pm 5\%$ 1/16 | 1 | PCS |
| R303 | 61L0603104 | CHIPR 100K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R304 | 61L0603104 | CHIPR 100K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R136 | 61L0603121 | CHIPR 120 OHM 1/16W | 1 | PCS |
| R138 | 61L0603121 | CHIPR 120 OHM 1/16W | 1 | PCS |
| R140 | 61L0603121 | CHIPR 120 OHM 1/16W | 1 | PCS |
| R308 | 61L0603302 | CHIPR 3K OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R125 | 61L0603470 | CHIPR 47 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R126 | 61L0603470 | CHIPR 47 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R129 | 61L0603470 | CHIPR 47 OHM $\pm 5\%$ 1/16W | 1 | PCS |

| | | | | |
|-------|---------------|-------------------------------|---|-----|
| R130 | 61L0603470 | CHIPR 47 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R240 | 61L0603470 | CHIPR 47 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R144 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R201 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R245 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R246 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R247 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R405 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R412 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R413 | 61L0603472 | CHIPR 4.7K OHM $\pm 5\%$ 1/1 | 1 | PCS |
| R224 | 61L0603621 | CHIPR 620 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R404 | 61L0603621 | CHIPR 620 OHM $\pm 5\%$ 1/16W | 1 | PCS |
| R133 | 61L0603750 9F | 750HM 1% | 1 | PCS |
| R134 | 61L0603750 9F | 750HM 1% | 1 | PCS |
| R135 | 61L0603750 9F | 750HM 1% | 1 | PCS |
| FB208 | 61L1206000 | CHIPR 0 OHM $\pm 5\%$ 1/8W | 1 | PCS |
| C320 | 65L0603101 32 | 100PF $\pm 10\%$ 50V X7R | 1 | PCS |
| C125 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C261 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C262 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C263 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C264 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C425 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C428 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C429 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C430 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C431 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C432 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C433 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C434 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C435 | 65L0603102 32 | CHIP 1000PF 50V X7R | 1 | PCS |
| C103 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C104 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C105 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C106 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C107 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C108 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C252 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |
| C254 | 65L0603103 32 | 0.01UF $\pm 10\%$ 50V X7R | 1 | PCS |

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| C256 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C258 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C322 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C403 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C410 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C414 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C422 | 65L0603103 32 | 0.01UF+-10% 50V X7R | 1 | PCS |
| C102 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C109 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C113 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C201 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C202 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C203 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C204 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C205 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C206 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C207 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C208 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C209 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C210 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C212 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C213 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C214 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C215 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C216 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C217 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C218 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C219 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C220 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C226 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C227 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C228 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C231 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C232 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C233 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C234 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C238 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C239 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C240 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |

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|------|---------------|-------------------------|---|-----|
| C241 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C242 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C244 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C248 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C249 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C251 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C253 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C255 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C257 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C300 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C301 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C302 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C305 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C307 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C309 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C310 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C311 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C314 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C316 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C318 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C321 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C402 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C405 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C407 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C409 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C413 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C418 | 65L0603104 12 | 0.1UF +-10% 16V X7R | 1 | PCS |
| C246 | 65L0603330 31 | 33PF+-5% 50V NPO | 1 | PCS |
| C247 | 65L0603330 31 | 33PF+-5% 50V NPO | 1 | PCS |
| C259 | 65L0603330 31 | 33PF+-5% 50V NPO | 1 | PCS |
| R204 | 65L0603509 31 | CHIP 5PF+-0.5PF 50V NPO | 1 | PCS |
| C245 | 67L 312100 3 | SMD 10uf +-20% 16V | 1 | PCS |
| C304 | 67L 312100 3 | SMD 10uf +-20% 16V | 1 | PCS |
| C306 | 67L 312100 3 | SMD 10uf +-20% 16V | 1 | PCS |
| C315 | 67L 312100 3 | SMD 10uf +-20% 16V | 1 | PCS |
| C317 | 67L 312100 3 | SMD 10uf +-20% 16V | 1 | PCS |
| C211 | 67L 312101 3 | SMD 100UF +-20% 16V | 1 | PCS |
| C250 | 67L 312220 3 | SMD 22UF +-20% 16V | 1 | PCS |
| C303 | 67L 312220 3 | SMD 22UF +-20% 16V | 1 | PCS |

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|-------|--------------|------------------------|---|-----|
| C312 | 67L 312220 3 | SMD 22UF +-20% 16V | 1 | PCS |
| C416 | 67L 312220 3 | SMD 22UF +-20% 16V | 1 | PCS |
| C221 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| C222 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| C230 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| C313 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| C401 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| C417 | 67L 312470 3 | SMD 47UF +-20% 16V | 1 | PCS |
| FB202 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB204 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB206 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB207 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB301 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB302 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB303 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB304 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB305 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB306 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB307 | 71L 57G601 | TI3216JIG601-T17A | 1 | PCS |
| FB101 | 71L 59C800 | 80 OHM | 1 | PCS |
| FB102 | 71L 59C800 | 80 OHM | 1 | PCS |
| FB103 | 71L 59C800 | 80 OHM | 1 | PCS |
| U202 | 87L 202 32 | PLCC CONN 32PIN | 1 | PCS |
| ZD104 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD105 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD106 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD107 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD108 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD109 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD110 | 93L 39146 | LL5232B SMT | 1 | PCS |
| ZD104 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD105 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD106 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD107 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD108 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD109 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD110 | 93L 39147 | TZMC5V6-GS08 | 0 | PCS |
| ZD104 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| ZD105 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |

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|--------|-----------------|-------------------------|---|-----|
| ZD106 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| ZD107 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| ZD108 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| ZD109 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| ZD110 | 93L 39149 | MLL5232B BY FULL POWER | 0 | PCS |
| D106 | 93L 60220 | BAT54C-GS08 | 0 | PCS |
| D106 | 93L 60230 | BAT54C(L43) | 1 | PCS |
| D201 | 93L 64 32 | LL4148 SMD | 0 | PCS |
| D201 | 93L 6432V | LL4148-GS08 | 1 | PCS |
| D103 | 93L 6433P | BAV99-SMT | 1 | PCS |
| D104 | 93L 6433P | BAV99-SMT | 1 | PCS |
| D105 | 93L 6433P | BAV99-SMT | 1 | PCS |
| | AIK780KI3 | KEY BOARD FOR T780K | 1 | PCS |
| SW101 | 77L 600 1GHJ | KEY SWITCH | 1 | PCS |
| SW102 | 77L 600 1GHJ | KEY SWITCH | 1 | PCS |
| SW103 | 77L 600 1GHJ | KEY SWITCH | 1 | PCS |
| SW104 | 77L 600 1GHJ | KEY SWITCH | 1 | PCS |
| SW105 | 77L 600 1GHJ | KEY SWITCH | 1 | PCS |
| LED1 | 81L 12 1 GP | LED | 1 | PCS |
| GND | 95L 900538 | 結 | 1 | PCS |
| JP101 | 95L8014 9 41 | HARNESS 210mm | 1 | PCS |
| PARENT | NO : AIK780KI3 | KEY BOARD FOR T780K | M | 舱 家 |
| | 715L1067 1 | KEPC BOARD | 1 | PCS |
| J001 | 95L 90 23 | TIN COATED | 0 | PCS |
| J002 | 95L 90 23 | TIN COATED | 0 | PCS |
| | PWPC7425A1I2AI | LCD POWER ASS'Y FOR AI | 1 | PCS |
| | PWPC7425A1I2SMT | LCD POWER ASS'Y FOR SMT | 1 | PCS |
| CN102 | 33L8009 6R H | PIN HEADER DUAL ROW H:6 | 1 | PCS |
| CN302 | 33L8009 6R H | PIN HEADER DUAL ROW H:6 | 1 | PCS |
| CN201 | 33L8021 2D E | WAFER | 0 | PCS |
| CN202 | 33L8021 2D E | WAFER | 0 | PCS |
| CN203 | 33L8021 2D E | WAFER | 0 | PCS |
| CN204 | 33L8021 2D E | WAFER | 0 | PCS |
| CN201 | 33L8021 2D AC | CONN. 2P R/A 87210-0236 | 1 | PCS |
| CN202 | 33L8021 2D AC | CONN. 2P R/A 87210-0236 | 1 | PCS |
| CN203 | 33L8021 2D AC | CONN. 2P R/A 87210-0236 | 1 | PCS |
| CN204 | 33L8021 2D AC | CONN. 2P R/A 87210-0236 | 1 | PCS |
| | 51L 6 4500 | RTV 濺 | 2 | G |
| IC902 | 56L 139 3 | PC123FY2 BY SHARP | 0 | PCS |

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|-------|------------------|-------------------------|---|-----|
| IC902 | 56L 139 3B | PC123 Y82 | 1 | PCS |
| IC901 | 56L 379 32 | SG6841D BY SYSTEM | 1 | PCS |
| Q207 | 57L 414 2 | MPS3906, 126 | 1 | PCS |
| Q208 | 57L 414 2 | MPS3906, 126 | 1 | PCS |
| Q209 | 57L 761 6 | 2SC5706 DIP SANYO | 1 | PCS |
| Q210 | 57L 761 6 | 2SC5706 DIP SANYO | 1 | PCS |
| Q211 | 57L 761 6 | 2SC5706 DIP SANYO | 1 | PCS |
| Q212 | 57L 761 6 | 2SC5706 DIP SANYO | 1 | PCS |
| R919 | 61L 2J39864B | 0.390HM 5% 2W | 1 | PCS |
| NR901 | 61L 58080 WT | 8 OHM NCTR | 1 | PCS |
| R903 | 61L152M104 64 | 100KOHM 5% 2W | 1 | PCS |
| C903 | 63L 107474 5S | 0.47UF +-10% 250VAC | 0 | PCS |
| C903 | 63L 107474 HS | 0.47UF +-10% 250VAC | 0 | PCS |
| C903 | 63L 10747410S | 0.47UF +-10% 250VAC | 1 | PCS |
| C903 | 63L107K474 FS | 0.47UF +-10% 275VAC, X2 | 0 | PCS |
| C213 | 63L210J2242A2 | PMS 0.22UF 250V | 1 | PCS |
| C214 | 63L210J2242A2 | PMS 0.22UF 250V | 1 | PCS |
| C213 | 64L180J224AAT | CAP 0.22UF 160V R79 | 0 | PCS |
| C214 | 64L180J224AAT | CAP 0.22UF 160V R79 | 0 | PCS |
| C906 | 65L 2K152 5E6052 | 1500 PF 10% 2KV Y5P | 0 | PCS |
| C906 | 65L 2K152 5E6285 | 1500 PF 10% 2KV Y5P | 0 | PCS |
| C906 | 65L 2K152 5E6921 | 1500 PF 10% 2KV Y5P | 1 | PCS |
| C215 | 65L 3J2206EM | 22PF 5% 3KV MURATA | 0 | PCS |
| C216 | 65L 3J2206EM | 22PF 5% 3KV MURATA | 0 | PCS |
| C217 | 65L 3J2206EM | 22PF 5% 3KV MURATA | 0 | PCS |
| C218 | 65L 3J2206EM | 22PF 5% 3KV MURATA | 0 | PCS |
| C215 | 65L 3J2206ET | 22PF 5% 3KV TDK | 1 | PCS |
| C216 | 65L 3J2206ET | 22PF 5% 3KV TDK | 1 | PCS |
| C217 | 65L 3J2206ET | 22PF 5% 3KV TDK | 1 | PCS |
| C218 | 65L 3J2206ET | 22PF 5% 3KV TDK | 1 | PCS |
| C901 | 65L305M1022B2 | 1000PF 蹲勾 400VAC/250VAC | 0 | PCS |
| C902 | 65L305M1022B2 | 1000PF 蹲勾 400VAC/250VAC | 0 | PCS |
| C901 | 65L305M1022EM | 1000PF +-20% 250VAC/400 | 1 | PCS |
| C902 | 65L305M1022EM | 1000PF +-20% 250VAC/400 | 1 | PCS |
| C913 | 65L306M472 2B | 4700PF 400V 20% Y1-CAP | 0 | PCS |
| C913 | 65L306M4722B2 | 4700PF +-20% 400VAC Y1 | 1 | PCS |
| C922 | 67L 215102 3H | 絢箒杆箒臂 1000UF 16V | 1 | PCS |
| C925 | 67L 215102 3H | 絢箒杆箒臂 1000UF 16V | 1 | PCS |
| C922 | 67L 215102 3K | 絢箒杆箒臂 1000UF/16V | 0 | PCS |

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|-------|----------------|-------------------------|---|-----|
| C925 | 67L 215102 3K | 綯箒杆箒臂 1000UF/16V | 0 | PCS |
| C905 | 67L305S10114H | HTR101M2GL33VR | 1 | PCS |
| FB902 | 71L 55 19 | BEAD RH 3.5*9*0.8 AB 03 | 1 | PCS |
| FB901 | 71L 55 29 | FERRITE BEAD | 1 | PCS |
| L902 | 73L 174 26 LS | COMMON CHOKE | 0 | PCS |
| L902 | 73L 174 26 T1 | LINE LILTER 0.45mm | 1 | PCS |
| L203 | 73L 174 30 LS | FILTER | 0 | PCS |
| L204 | 73L 174 30 LS | FILTER | 0 | PCS |
| L203 | 73L 174 30 YS | FILTER | 1 | PCS |
| L204 | 73L 174 30 YS | FILTER | 1 | PCS |
| L903 | 73L 253 91 L | CHOKE BY LI TA | 1 | PCS |
| L904 | 73L 253 91 L | CHOKE BY LI TA | 1 | PCS |
| L903 | 73L 253 91 LS | CHOKE BY LI SHIN | 0 | PCS |
| L904 | 73L 253 91 LS | CHOKE BY LI SHIN | 0 | PCS |
| L201 | 73L 253139 L | CHOKE | 1 | PCS |
| L202 | 73L 253139 L | CHOKE | 1 | PCS |
| L201 | 73L 253139 LS | CHOKE | 0 | PCS |
| L202 | 73L 253139 LS | CHOKE | 0 | PCS |
| L201 | 73L 253139 YS | CHOKE | 0 | PCS |
| L202 | 73L 253139 YS | CHOKE | 0 | PCS |
| PT201 | 80LL15T 7 DN | X' FMR | 0 | PCS |
| PT202 | 80LL15T 7 DN | X' FMR | 0 | PCS |
| PT201 | 80LL15T 7 YS | X' FMR | 1 | PCS |
| PT202 | 80LL15T 7 YS | X' FMR | 1 | PCS |
| T901 | 80LL17T 2 L | ADAPTOR BY LITAI | 0 | PCS |
| T901 | 80LL17T 2 T | X' FMR | 1 | PCS |
| T901 | 80LL17T 2 LS | ADAPTOR BY LISHIN | 0 | PCS |
| F901 | 84L 53 1 | FUSE 2A 250V LF-230002 | 1 | PCS |
| BD901 | 93L 50460 8 | BRIDGE 2KBP06M | 1 | PCS |
| D902 | 93L 6038P52T | PS102R | 1 | PCS |
| D912 | 93L3006 1 | 31DQ06 | 1 | PCS |
| D913 | 93L3006 1 | 31DQ06 | 1 | PCS |
| D912 | 93L3006 3 | DIODE | 0 | PCS |
| D913 | 93L3006 3 | DIODE | 0 | PCS |
| D910 | 93L3010 1 | 31DQ10 | 1 | PCS |
| D911 | 93L3010 1 | 31DQ10 | 1 | PCS |
| D910 | 93L3010 2 | DIODE | 0 | PCS |
| D911 | 93L3010 2 | DIODE | 0 | PCS |
| | 705L 780 57 02 | CN901 ASS' Y | 1 | PCS |

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|-------|----------------|----------------------|---|-----|
| | 705L 780 57 01 | Q903 ASS'Y | 1 | PCS |
| PT201 | 6L 31502 | 1.5MM RIVET | 2 | PCS |
| PT202 | 6L 31502 | 1.5MM RIVET | 2 | PCS |
| | 715L1013 1 | PCB | 1 | PCS |
| FB904 | 95L 90 23 | TIN COATED | 0 | PCS |
| J101 | 95L 90 23 | TIN COATED | 0 | PCS |
| J102 | 95L 90 23 | TIN COATED | 0 | PCS |
| J103 | 95L 90 23 | TIN COATED | 0 | PCS |
| J106 | 95L 90 23 | TIN COATED | 0 | PCS |
| J107 | 95L 90 23 | TIN COATED | 0 | PCS |
| J109 | 95L 90 23 | TIN COATED | 0 | PCS |
| J111 | 95L 90 23 | TIN COATED | 0 | PCS |
| J112 | 95L 90 23 | TIN COATED | 0 | PCS |
| J113 | 95L 90 23 | TIN COATED | 0 | PCS |
| J114 | 95L 90 23 | TIN COATED | 0 | PCS |
| J115 | 95L 90 23 | TIN COATED | 0 | PCS |
| J116 | 95L 90 23 | TIN COATED | 0 | PCS |
| J117 | 95L 90 23 | TIN COATED | 0 | PCS |
| J118 | 95L 90 23 | TIN COATED | 0 | PCS |
| J120 | 95L 90 23 | TIN COATED | 0 | PCS |
| J121 | 95L 90 23 | TIN COATED | 0 | PCS |
| J122 | 95L 90 23 | TIN COATED | 0 | PCS |
| J901 | 95L 90 23 | TIN COATED | 0 | PCS |
| J902 | 95L 90 23 | TIN COATED | 0 | PCS |
| J903 | 95L 90 23 | TIN COATED | 0 | PCS |
| J904 | 95L 90 23 | TIN COATED | 0 | PCS |
| J905 | 95L 90 23 | TIN COATED | 0 | PCS |
| J906 | 95L 90 23 | TIN COATED | 0 | PCS |
| R929 | 95L 90 23 | TIN COATED | 0 | PCS |
| R917 | 61L 17210052T | 100HM 5% 1/4W | 1 | PCS |
| R930 | 61L 17210152T | 100 OHM 5% 1/4W | 1 | PCS |
| R243 | 61L 17210252T | 1K OHM 5% 1/4W | 1 | PCS |
| R244 | 61L 17210252T | 1K OHM 5% 1/4W | 1 | PCS |
| R927 | 61L 17210252T | 1K OHM 5% 1/4W | 1 | PCS |
| R928 | 61L 17210252T | 1K OHM 5% 1/4W | 1 | PCS |
| R918 | 61L 17210352T | CFR 10KOHM +-5% 1/4W | 1 | PCS |
| R904 | 61L 17210552T | 1MEGOHM 5% 1/4W | 1 | PCS |
| R905 | 61L 17210552T | 1MEGOHM 5% 1/4W | 1 | PCS |
| R906 | 61L 17210552T | 1MEGOHM 5% 1/4W | 1 | PCS |

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|-------|---------------|-----------------------|---|-----|
| R907 | 61L 1721052T | 1MEGOHM 5% 1/4W | 1 | PCS |
| R224 | 61L 17215252T | CFR 1.5K OHM+-5% 1/4W | 1 | PCS |
| R225 | 61L 17215252T | CFR 1.5K OHM+-5% 1/4W | 1 | PCS |
| R920 | 61L 17247052T | 470HM 5% 1/4W | 1 | PCS |
| R922 | 61L 17247052T | 470HM 5% 1/4W | 1 | PCS |
| R908 | 61L 17268952T | 6.80HM 5% 1/4W | 1 | PCS |
| R926 | 61L 20024252T | 2.4KOHM 1% 1/4W | 1 | PCS |
| R924 | 61L 20033352T | 33KOHM 1% 1/4W | 1 | PCS |
| R925 | 61L 20036252T | 3.6KOHM 1% 1/4W | 1 | PCS |
| R218 | 61L 60210152T | 1000HM +- 5% 1/6W | 1 | PCS |
| R219 | 61L 60210152T | 1000HM +- 5% 1/6W | 1 | PCS |
| R232 | 61L 60210252T | CFR 1K OHM+-5% 1/6W | 1 | PCS |
| R233 | 61L 60210252T | CFR 1K OHM+-5% 1/6W | 1 | PCS |
| R202 | 61L 60210352T | CFR 10K OHM+-5% 1/6W | 1 | PCS |
| R203 | 61L 60210352T | CFR 10K OHM+-5% 1/6W | 1 | PCS |
| R204 | 61L 60210352T | CFR 10K OHM+-5% 1/6W | 1 | PCS |
| R222 | 61L 60212352T | 12KOHM 5% 1/6W | 1 | PCS |
| R223 | 61L 60212352T | 12KOHM 5% 1/6W | 1 | PCS |
| R238 | 61L 60212352T | 12KOHM 5% 1/6W | 1 | PCS |
| R239 | 61L 60212352T | 12KOHM 5% 1/6W | 1 | PCS |
| R210 | 61L 60215352T | 15KOHM 5% 1/6W | 1 | PCS |
| R211 | 61L 60215352T | 15KOHM 5% 1/6W | 1 | PCS |
| R220 | 61L 60215352T | 15KOHM 5% 1/6W | 1 | PCS |
| R221 | 61L 60215352T | 15KOHM 5% 1/6W | 1 | PCS |
| R201 | 61L 60230352T | 30KOHM 5% 1/6W | 1 | PCS |
| R212 | 61L 60239252T | 3.9KOHM 5% 1/6W | 1 | PCS |
| R213 | 61L 60239252T | 3.9KOHM 5% 1/6W | 1 | PCS |
| R205 | 61L 60247352T | 47KOHM 5% 1/6W | 1 | PCS |
| R206 | 61L 60247352T | 47KOHM 5% 1/6W | 1 | PCS |
| R240 | 61L 60251352T | 51KOHM +-5% 1/6W | 1 | PCS |
| R241 | 61L 60251352T | 51KOHM +-5% 1/6W | 1 | PCS |
| R236 | 61L 60262152T | 620 OHM 5% 1/6W | 1 | PCS |
| R237 | 61L 60262152T | 620 OHM 5% 1/6W | 1 | PCS |
| R234 | 61L 60291152T | CFR 910 OHM+-5% 1/6W | 1 | PCS |
| R235 | 61L 60291152T | CFR 910 OHM+-5% 1/6W | 1 | PCS |
| ZD902 | 93L 39 5452T | ZENER HZ12B2 | 1 | PCS |
| ZD903 | 93L 39 7752T | ZENER HZ5C1 | 1 | PCS |
| D901 | 93L 6026W52T | FR107 | 1 | PCS |
| D205 | 93L 64 1152T | 1N4148 | 1 | PCS |

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|-------|-------------------|-------------------------|---|-----|
| D206 | 93L 64 1152T | 1N4148 | 1 | PCS |
| D207 | 93L 64 1152T | 1N4148 | 1 | PCS |
| D208 | 93L 64 1152T | 1N4148 | 1 | PCS |
| D209 | 93L 64 1152T | 1N4148 | 1 | PCS |
| D210 | 93L 64 1152T | 1N4148 | 1 | PCS |
| D903 | 93L 64 1152T | 1N4148 | 1 | PCS |
| IC903 | 56L 158 4 T A | HTL431 | 1 | PCS |
| Q207 | 57L 414 2 | MPS3906, 126 | 1 | PCS |
| Q208 | 57L 414 2 | MPS3906, 126 | 1 | PCS |
| Q205 | 57L 417 3 T | MPS3904 SILICON PLANER | 1 | PCS |
| Q206 | 57L 417 3 T | MPS3904 SILICON PLANER | 1 | PCS |
| Q902 | 57L 419 PP T | 2PC945P | 1 | PCS |
| Q901 | 57L 420 PP T | 2PA733P | 1 | PCS |
| C911 | 64L700J1020AT | 1000PF 50V PEN | 1 | PCS |
| C935 | 64L700J1030AT | 0.01UF 50V PEN | 1 | PCS |
| C204 | 64L700J1040AT | 0.1UF 50V PEN | 1 | PCS |
| C205 | 64L700J1040AT | 0.1UF 50V PEN | 1 | PCS |
| C206 | 64L700J1040AT | 0.1UF 50V PEN | 1 | PCS |
| C909 | 64L700J1040AT | 0.1UF 50V PEN | 1 | PCS |
| C936 | 64L700J1040AT | 0.1UF 50V PEN | 1 | PCS |
| C221 | 64L701J4740AT | 0.47uF 50V | 1 | PCS |
| C222 | 64L701J4740AT | 0.47uF 50V | 1 | PCS |
| C208 | 65L 44233113T | 330PJNPO 50V | 1 | PCS |
| C908 | 65L 450104 7T | 0.1UF +80-20% 50V Y5V | 1 | PCS |
| C920 | 65L517K102 5T6052 | 1000PF 10% Y5P 500V | 0 | PCS |
| C921 | 65L517K102 5T6052 | 1000PF 10% Y5P 500V | 0 | PCS |
| C920 | 65L517K102 5T6213 | 1000PF 10% Y5P 500V | 1 | PCS |
| C921 | 65L517K102 5T6213 | 1000PF 10% Y5P 500V | 1 | PCS |
| C920 | 65L517K102 5T6285 | 1000PF 10% Y5P 500V | 0 | PCS |
| C921 | 65L517K102 5T6285 | 1000PF 10% Y5P 500V | 0 | PCS |
| C907 | 67L 309220 7T | 22UF +-20% 50V | 1 | PCS |
| C207 | 67L 309479 7T | 4.7UF +-20% 50V 85 尼ん 攪 | 1 | PCS |
| C924 | 67L215B4713HT | 470UF 16V LTR471M1CF11V | 1 | PCS |
| C926 | 67L215B4713HT | 470UF 16V LTR471M1CF11V | 1 | PCS |
| C929 | 67L215B4713HT | 470UF 16V LTR471M1CF11V | 1 | PCS |
| C930 | 67L215B4713HT | 470UF 16V LTR471M1CF11V | 1 | PCS |
| C201 | 67L215C1514HT | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| C223 | 67L215C1514HT | LOW ESR 150UF 25V 8*7MM | 1 | PCS |
| IC905 | 56L 563 7 | AIC1084-33CM | 1 | PCS |

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|-------|---------------|-------------------------|---|-----|
| IC905 | 56L 563 21 | AP1084K33 | 0 | PCS |
| Q203 | 56L 566 10 | SI4431DY-T1-SMT | 0 | PCS |
| Q204 | 56L 566 10 | SI4431DY-T1-SMT | 0 | PCS |
| U201 | 56L 608 1 | TL1451ACD | 0 | PCS |
| U201 | 56L 622 1 | BA9741F-SMT | 1 | PCS |
| Q203 | 56L 763 4 | MOSFET | 0 | PCS |
| Q204 | 56L 763 4 | MOSFET | 0 | PCS |
| Q202 | 57L 760 4 | DTA144WKA BY ROHM SMT(7 | 1 | PCS |
| Q201 | 57L 760 5 | DTC144WKA BY ROHM SMT(8 | 1 | PCS |
| Q203 | 57L 763 3 | A04411 SO-8 BY AOS SMT | 1 | PCS |
| Q204 | 57L 763 3 | A04411 SO-8 BY AOS SMT | 1 | PCS |
| R933 | 61L0603000 | CHIPR 00HM +-5% 1/16W | 1 | PCS |
| R931 | 61L0603102 | CHIPR 1K OHM +-5% 1/16W | 1 | PCS |
| R216 | 61L0603221 | CHIPR 220 OHM+-5% 1/16W | 1 | PCS |
| R217 | 61L0603221 | CHIPR 220 OHM+-5% 1/16W | 1 | PCS |
| R214 | 61L0603222 | CHIPR 2.2K OHM+-5% 1/16 | 1 | PCS |
| R215 | 61L0603222 | CHIPR 2.2K OHM+-5% 1/16 | 1 | PCS |
| R208 | 61L0603472 | CHIPR 4.7K OHM +-5% 1/1 | 1 | PCS |
| R209 | 61L0603472 | CHIPR 4.7K OHM +-5% 1/1 | 1 | PCS |
| R916 | 61L0805240 2F | CHIP 24KOHM 1% 1/10W | 1 | PCS |
| R912 | 61L1206101 | CHIP 100 OHM 5% 1/8W | 1 | PCS |
| R915 | 61L1206103 | CHIP 10KOHM 5% 1/8W | 1 | PCS |
| R901 | 61L1206105 | CHIP 1MOHM 5% 1/8W | 1 | PCS |
| R902 | 61L1206105 | CHIP 1MOHM 5% 1/8W | 1 | PCS |
| R226 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R227 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R228 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R229 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R230 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R231 | 61L1206152 | CHIPR 1.5K OHM+-5%1/8W | 1 | PCS |
| R909 | 61L1206472 | CHIP 4.7KOHM 5% 1/8W | 1 | PCS |
| R910 | 61L1206472 | CHIP 4.7KOHM 5% 1/8W | 1 | PCS |
| R911 | 61L1206472 | CHIP 4.7KOHM 5% 1/8W | 1 | PCS |
| C910 | 65L0603104 37 | CHIP 0.1UF 50V/Y5V | 1 | PCS |
| C927 | 65L0603104 37 | CHIP 0.1UF 50V/Y5V | 1 | PCS |
| C931 | 65L0603104 37 | CHIP 0.1UF 50V/Y5V | 1 | PCS |
| C202 | 65L0805104 22 | CHIP 0.1uF 25V X7R 0805 | 1 | PCS |
| C203 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C209 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |

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|-------|---------------|-------------------------|---|-----|
| C210 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C211 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C212 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C219 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C220 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C224 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| C225 | 65L0805105 27 | CHIP 1UF 25V Y5V 0805 | 1 | PCS |
| F902 | 84L 52 2 | SMD FUSE 4A 32V GET-HAN | 1 | PCS |
| D203 | 93L 39S 3 T | BZT52-C11 | 0 | PCS |
| D204 | 93L 39S 3 T | BZT52-C11 | 0 | PCS |
| D203 | 93L 39S 8 T | ZD RLZ11B ROHM | 1 | PCS |
| D204 | 93L 39S 8 T | ZD RLZ11B ROHM | 1 | PCS |
| ZD901 | 93L 39S 12 T | RLZ20B BY ROHM | 1 | PCS |
| ZD904 | 93L 39S 16 T | SML4737A/1 1W D0-214AC | 0 | PCS |
| ZD904 | 93L 39S 19 T | ZENER DIODE | 1 | PCS |
| D201 | 93L2004 1 | SMAL240LVXRO-SMT | 0 | PCS |
| D202 | 93L2004 1 | SMAL240LVXRO-SMT | 0 | PCS |
| D201 | 93L2004 2 | SR24/PANJIT-SMT | 1 | PCS |
| D202 | 93L2004 2 | SR24/PANJIT-SMT | 1 | PCS |
| D201 | 93L2004 3 | DIOED | 0 | PCS |
| D202 | 93L2004 3 | DIOED | 0 | PCS |
| CN901 | 87L 501 12 RF | AC SOCKET | 1 | PCS |
| | 95L205S354022 | HARNESS | 1 | PCS |
| | 96L 29 4 | SHRINK TUBE UL/CSA | 1 | PCS |
| Q903 | 57L 723 3B | 2SK2761-01MR | 0 | PCS |
| Q903 | 57L 724 4 | 2SK2996 | 1 | PCS |
| | 90L 407 1 | HEAT SINK | 1 | PCS |
| | M1L1730 8128 | SCREW M3x8 | 1 | PCS |
| | 12L 405 1 | FOOT-PORON | 2 | PCS |
| | 12L 406 1 | FOOT-PORON | 1 | PCS |
| | 15L5852 1 | BASE-PLATE | 1 | PCS |
| | 34L1124 B6 T | BASE | 1 | PCS |
| | 37L 469 1 | HINGE | 1 | PCS |
| | M1L 340 8128 | SCREW | 4 | PCS |
| | Q1L 340 8128 | SCREW 4X8mm | 2 | PCS |